



P R I N C I P A L S

James Ferris, P.E.
Gerald Perricone, P.E.
James Johnston, P.E.
Robert M. Gerard, CHMM

Philip M. Keegan (1942-1998)

A S S O C I A T E S

Stanley A. Lewandowski
Eugene Brandt, P.E.
Richard Erickson
Raymond Volpe, P.E.
Mark Worthington, CHMM
Thomas Mlineo, P.E.
Nidal Rabah, P.E., Ph.D.
William P. Call, P.G.
Drew Di Sessa, P.E., P.P.
Robert Kingsbury

MAY 22 2002

April 12, 2002

Borough of South Plainfield
2480 Plainfield Avenue
South Plainfield, New Jersey 07080

ATTN: MR. VINCENT BUTTIGLIERI

**LIMITED SITE INVESTIGATION REPORT
VETERANS MEMORIAL PARK
BLOCK 260, LOT 15.02
SOUTH PLAINFIELD, NEW JERSEY
PMK GROUP NO. 0502014**

Dear Mr. BUTTIGLIERI:

Please find enclosed, the results of the limited site investigation activities performed at the Veteran Memorial Field, South Plainfield New Jersey site. The site investigation activities were performed based upon the results of our Preliminary Assessment Report (PA) performed at the above-referenced property, which is detailed in the PA dated March 28, 2002. In order to expedite the time frame of submitting the report a reduced copy of the laboratory analytical results is included as Appendix B, we will forward the complete laboratory analytical results and the results of the gas chromatograph/ mass spectrometer scan on the "tar like substance" to your office upon receipt.

Please do not hesitate to contact my office if you have any questions regarding the information contained herein.

Respectfully submitted,

PMK Group

A handwritten signature in black ink that reads "Jeffrey T. Villanova".

Jeffrey T. Villanova
Field Scientist

Enclosure

I:\Project Data\0502014-South Plainfield - Veterans Memorial Pk\0502014R041202-LSIR.doc



**LIMITED SITE INVESTIGATION REPORT
VETERANS MEMORIAL PARK
BLOCK 260, LOT 15.02
SOUTH PLAINFIELD, NEW JERSEY
PMK GROUP NO. 0502014**

PREPARED BY:

**THE PMK GROUP
PO BOX 5000
65 JACKSON DRIVE
CRANFORD, NEW JERSEY 07016**

PREPARED FOR:

**BOROUGH OF SOUTH PLAINFIELD
2480 PLAINFIELD AVENUE
SOUTH PLAINFIELD, NEW JERSEY 07080**

Prepared By:



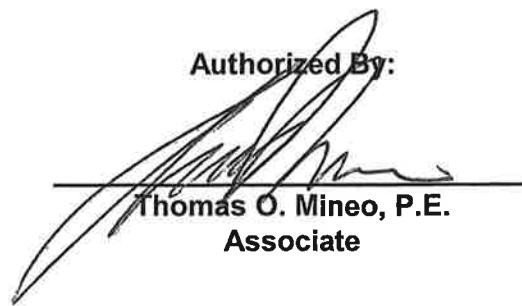
Jeffrey T. Villanova
Field Scientist

Reviewed By:



Devang R. Patel
Project Manager

Authorized By:



Thomas O. Mineo, P.E.
Associate

April 12, 2002

TABLE OF CONTENTS

1.0 INTRODUCTION	1
2.0 PROJECT BACKGROUND	1
3.0 SITE INVESTIGATION	2
3.1 SUBSURFACE SOIL PROFILE	2
3.2 SOIL INVESTIGATION	2
3.2.1 <i>AOC #3 Areas of Stressed Vegetation.....</i>	2
3.2.2 <i>AOC #5 Black Ooze emanating from the Ground.....</i>	2
3.2.3 <i>AOC #6 Sink Hole Areas.....</i>	3
4.0 LABORATORY ANALYTICAL RESULTS	3
4.1 SOIL SAMPLING RESULTS	3
4.1.1 <i>AOC #3 Areas of Stressed Vegetation.....</i>	4
4.1.2 <i>AOC #5 Black Ooze emanating from the Ground.....</i>	4
4.1.3 <i>AOC #6 Sink Hole Areas.....</i>	4
4.2 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)	5
5.0 NJDEP CERTIFICATION FORM	5
6.0 CONCLUSIONS AND RECOMMENDATIONS	5
6.1 AOC #3 AREAS OF STRESSED VEGETATION	5
6.2 AOC #5 BLACK OOZE EMANATING FROM THE GROUND	5
6.3 AOC #6 SINK HOLE AREAS	5

LIST OF ATTACHMENTS

Plate No. Description

- | | | |
|---|---|----------------------|
| 1 | - | Site Location Map |
| 2 | - | Sample Location Plan |

Table No. Description

- | | | |
|---|---|--|
| 1 | - | Soil Sampling Results Summary |
| 2 | - | Quality Assurance / Quality Control Sampling Results Summary |

Appendix No. Description

- | | | |
|---|---|-------------------------------|
| A | - | Soil Boring Logs |
| B | - | Laboratory Analytical Results |
| C | - | NJDEP Certifications |

Borough of South Plainfield
April 12, 2002
Page1

PMK #0502014

1.0 INTRODUCTION

This report presents the results of the Limited Site Investigation (SI) activities conducted at the property known as Veterans Memorial Park, South Plainfield, Middlesex County, New Jersey (hereinafter designated as "the Site"). A site location map is presented as Plate 1.

2.0 PROJECT BACKGROUND

The site investigation activities were proposed to investigate potential environmental areas of concern (AOCs) identified on the property during the completion of our Preliminary Assessment (PA). Below is a list of areas of concern identified in the PA

AOC #1 – Historic Fill or any Other Fill Material - Based on a review of the available Historical Topographical Maps and municipal personnel interviews, the property and adjacent properties consisted of low-lying, wetland areas, which have been reportedly filled in to raise grade and allow for municipal use. PMK sampled in an attempt to verify the presence and contents of the fill material and to identify potential contaminants, which may be present in said materials. The results of the sampling are included as Appendix I.

AOC #2 – Electrical Transformers - Our site reconnaissance identified one transformer mounted on a utility pole on the property. As no leaking or staining was noted on the transformer, PMK recommends no further investigation of this AOC.

AOC #3 Areas of Stressed Vegetation - Several area of stressed vegetation were noted throughout the northern and central portions of the property. PMK recommends collecting soil samples within the limits of the stressed areas in an attempt to identify potential impacts in the underlying soils.

AOC #4 Areas which receive flood or storm water from potentially contaminated areas - Based upon field observations and review of the Site Report by Environmental Data Resources, Inc, the Site is depicted as being within the 100 year flood zone. It should also be noted that three contaminated sites have been reported up gradient of the Site. PMK recommends further investigation of this AOC in an attempt to identify potential environmental impacts to the Site from offsite sources.

AOC #5 Black Ooze emanating from the Ground - During our site reconnaissance, sections of the grass field had areas where a black substance had emanated from the ground. PMK recommends further investigation of this AOC to attempt to identify the noted substance and to evaluate the potential for the substance to impact the Site.

AOC #6 Sink Holes - During our site reconnaissance several sinkholes were noted on the property. PMK recommends performing a geophysical survey of the area to identify any subsurface metallic anomalies, including, but not limited to, buried drums. The need for further soil investigations will be determined based on the results of the geophysical survey.

Borough of South Plainfield
April 12, 2002
Page2

PMK #0502014

AOC #7 Discolored or Spill Areas -There are two areas in close proximity of each where a blue staining and a black powder like substance were observed on the ground. During a second visit the blue substance was identified as the remains of a melted plastic drum, used throughout the Site as garbage cans and the black powder is the ash from a charcoal barbecue grill from the picnic area. PMK recommends these areas be cleaned and disposed of properly and recommends no further investigation.

3.0 SITE INVESTIGATION

In order to investigate the areas of concern identified in the PA report, PMK advanced seven exploratory soil borings in the vicinity of areas of concern AOC #3, 5 and 6 and subsequently collected representative soil samples from some of the borings. The encountered soil was field screened for volatile organic vapors.

On March 21, 2002 representatives of PMK were present at the Site to perform the limited site investigation activities detailed above. The drilling operations were performed by Environmental Remediation Contractors (ERC) of Willingboro, New Jersey, utilizing truck mounted geoprobe sampling techniques.

3.1 SUBSURFACE SOIL PROFILE

The soils varied across the Site form fill material to depths as great as 7 feet and brownish red sands with little to trace silt. The fill material consisted of sandy gravel, wood, industrial processed glass and rubber. Soil boring B-5 indicated the tar like substance is a globule ranging in depths from 2.5 to 7.5 feet below surface ground (bsg).

3.2 SOIL INVESTIGATION

All soil samples were submitted to STL-Envirotech Research, Inc. of Edison, New Jersey (NJ Laboratory Certification No. 12028) for chemical analyses. The soil samples were submitted for priority pollutant plus a forward library search of forty non-targeted compounds (PP+40). The locations of the soil samples are presented on the Soil Boring Location Plan, Plate 2.

3.2.1 AOC #3 Areas of Stressed Vegetation

Two exploratory test soil borings were advanced to collect representative soil samples from the borings in the area of AOC #3 to investigate for potential soil impacts. On soil boring (B-6) was advanced in the stressed area on the northwest side of the property and one soil boring (B-3) was advanced on the east side of the property. One soil samples was collected from soil boring B-6 at approximately 1- 1.5 feet bsg for PP+40 analyses. Groundwater was not encountered during the sampling activities.

3.2.2 AOC #5 Black Ooze emanating from the Ground

Three exploratory test soil borings were advanced to collect representative soil samples from soil borings in the area of AOC #5 to investigate for potential soil impacts. Three exploratory soil borings: B-2 and B-4 and B-5 were advanced to approximately 4 to 8 feet bsg in the areas of stained soil and black ooze. One soil sample was collected from each soil boring biased to

Borough of South Plainfield
April 12, 2002
Page3

PMK #0502014

visual observations and presence of suspected contamination. Soil samples B-2 and B-5 were collected from the soil borings from approximately 2-2.5 and 1- 1.5 feet respectfully bsg for PP+40 analyses. Soil sample B-4 was collected near the blue stained area at approximately 3.5-4.0 feet bsg for PP+ 40 analyses. In addition a sample of the tar like substance was collected from soil boring B-2 at a depth of 1 – 1.5 feet bsg and forwarded to the laboratory for a gas chromatograph (GC) fingerprint analysis, in an attempt to identify the substance. The samples were collected based upon field screening readings and/or visual observations of the material. Groundwater was encountered during sampling activities at approximately 5.5 feet bsg in soil boring B-2.

3.2.3 AOC #6 Sink Hole Areas

Two exploratory soil borings were advanced to collect representative soil samples from borings in the area of AOC #6 to investigate for potential soil impacts. Two soil boring (B-1 and B-1A) were advanced on the north side of the property into each of the largest sink holes on the property. One soil sample was collected from soil boring B-1 at approximately 4.5- 5.0 feet bsg for PP+40 analyses. Groundwater was encountered during sampling activities at approximately 5.5 to 7.5 feet bsg in soil boring B-1.

All soil samples were collected in accordance with the sampling procedures and methodologies detailed in the NJDEP Field Sampling Procedures Manual (May 1992), and the NJDEP Methodology for the Field Extraction/Preservation of Soil Samples with Methanol for Volatile Organic Compounds (February 1997). Representatives of PMK located the borings in the field based upon the results of the PA and visual observations. During soil boring activities, PMK representatives maintained a continuous log as the work proceeded and supervised the soil sampling procedures to evaluate the subsurface conditions. Soil samples, suitable for identification purposes, were obtained from each boring at regularly spaced intervals. A detailed description of the encountered materials is presented in the Soil Boring Logs, which are included in Appendix A.

4.0 LABORATORY ANALYTICAL RESULTS

4.1 SOIL SAMPLING RESULTS

In order to evaluate compliance with existing remedial standards respecting soils, PMK has utilized the soil cleanup criteria published in the NJDEP April, 1994, Site Remediation Newsletter (revised May 12, 1999). These regulatory standards have been adopted by the NJDEP as guidelines to determine if a remedial action is warranted at a site. The criteria consider exposure to identified contaminants via direct contact and potential impacts to local groundwater quality. The direct contact soil cleanup numbers are typically applicable to the first two feet of the soil profile and are concerned with exposure via direct contact and incidental ingestion of contaminated soil. The direct contact standards are further broken down into Residential and Non-Residential components, which consider the different exposure scenarios of each type of utilization. The subsurface criteria are developed to protect the potability of the groundwater and are also known as the Impact to Groundwater Soil Cleanup Criteria. The soil sample results are summarized in Table 1. The laboratory analytical data package is presented in Appendix B.

Borough of South Plainfield
April 12, 2002
Page4

PMK #0502014

4.1.1 AOC #3 Areas of Stressed Vegetation

A review of the PP+40 laboratory analytical results for soil sample B-6 revealed that concentrations of base neutral, metals and Aroclor- 1254 compounds were detected at concentrations below the NJDEP soil cleanup criteria (SCC). However Pesticide compounds 4,4'- DDD and 4,4- DDE were detected at concentrations of 15 and 12 milligrams per kilogram (mg/Kg) respectfully and Arsenic at a concentration of 148 mg/Kg: these concentrations are above the most stringent NJDEP SCC.

4.1.2 AOC #5 Black Ooze emanating from the Ground

A review of the PP+40 laboratory analytical results for soil samples B-2, B-4 and B-5 revealed concentrations base neutrals, metal, pesticides and PCBs compounds. The specific soil sampling results and GC fingerprint analysis results are detailed below.

Soil Sample B-2 – The PP+40 laboratory analytical results for soil sample B-2 revealed the compounds: Dieldren (14 mg/Kg), Beryllium (4.4 mg/Kg) and Aroclor (2.2 mg/Kg) detected above the most stringent NJDEP (SCC). In addition soil sample B-2 revealed 3,3-Dichlorobennzidine at a concentration of 4.3 mg/Kg above the most stringent NJDEP SCC however with a qualifier indicating that due to the dilution of the sample the laboratory standards can not indicate the concentration of the compound. The remaining compounds were either not detected or detected below the NJDEP SCC.

Soil Sample B-4 – The PP+40 laboratory analytical results for soil sample B-4 revealed all targeted compounds were detected below the most stringent NJDEP (SCC). However it should be noted that the PCB, Aroclor-1254 was detected at low concentrations.

Soil Sample B-5 – The PP+40 laboratory analytical results for soil sample B-5 revealed compounds: Beryllium (3.3 mg/Kg), and Indeno(1,2,3-cd)pyrene (0.87 mg/Kg) were detected above the most stringent NJDEP (SCC). In addition soil sample B-5 revealed compounds 2,4-Dinitrophenol (15 mg/Kg), 3,3- Dichlorobennzidine (7.4 mg/Kg), Benzo(b)fluoranthene (1.2 mg/Kg) above the most stringent NJDEP SCC however with a qualifier indicating that due to the dilution of the sample the laboratory standards can not indicate the concentration of the compound. The remaining compounds were either not detected or detected below the NJDEP SCC.

Sample B-2GC - The results of the GC fingerprint analytical results indicates that the substance does not resemble any known petroleum distillates but consists primarily of an Alkyl- substituted phenol. We have asked the laboratory to run a library search by GC/ mass spectrometer (MS) scan in order to identify the compounds in the substance.

4.1.3 AOC #6 Sink Hole Areas

A review of the PP+40 laboratory analytical results for soil sample B-1 revealed that concentrations of metals compounds were detected at concentrations below the NJDEP soil cleanup criteria (SCC). The remaining targeted compounds were not detected above the instrument detection limit.

Borough of South Plainfield
April 12, 2002
Page 5

PMK #0502014

4.2 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

A summary of the analytical results for the trip blank (collected for QA/QC purposes) is included in Table 3.

5.0 NJDEP CERTIFICATION FORM

The completed UST Site/Remedial Investigation Report Certification Form, as required by N.J.A.C. 7:26E, are presented in Appendix C.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon the results of the site investigation activities and a review of the laboratory analytical results, we have determined the following:

6.1 AOC #3 AREAS OF STRESSED VEGETATION

Soil samples B-6 was collected from the area of stressed vegetation in an attempt to investigate the rationale behind the differences in vegetation on the property.

Based upon a review of the soil sample analytical results for soil sample B-6, the analytical results revealed concentrations of pesticides (4,4-DDD and 4,4-DDE) and Arsenic) above the most stringent NJDEP SCC. Therefore PMK recommends a Site wide investigation of this AOC to determine the extent of contamination at the Site.

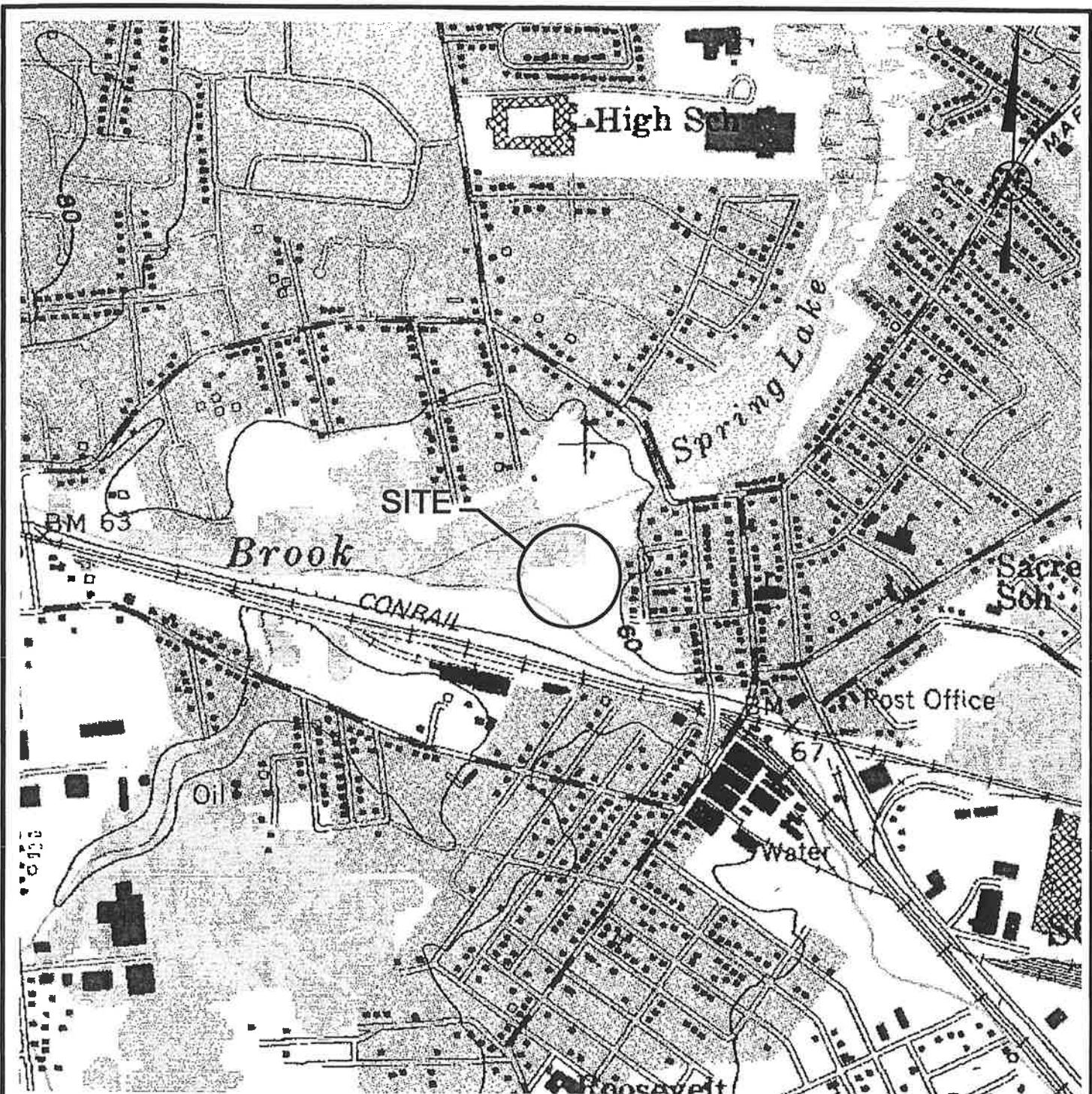
6.2 AOC #5 BLACK OOZE EMANATING FROM THE GROUND

Three soil samples (B-2, B-4 and B-5) and a gas chromatograph (GC) fingerprint sample (B-2GC) were collected from the stained areas and unknown substance. The samples were collected in an attempt to evaluate the presence of any contamination and identify the substance emanating from the ground and found in large concentrations below the ground.

Based upon a review of the laboratory analytical results for soil samples B-2, B-4 and B-5, the presence of targeted concentrations: Dieldrin, Beryllium, base neutral compounds and PCB (Aroclor-1254) are present at the Site and were detected in some samples above the most stringent NJDEP SCC. Although the GC fingerprint analysis indicates the substance is not a petroleum distillate product, the exact identity has not been determined. The laboratory is forwarding the sample for a library search by GC/ mass spectrometer (MS) scan in order to identify the compounds in the substance. PMK recommends further investigation of this AOC at this time.

6.3 AOC #6 SINK HOLE AREAS

One soil sample was collected in an attempt to determine if any contaminants are buried below the observed sink holes. Based on a review of the soil sample results for soil sample B-1, no targeted compounds were detected above the NJDEP SCC, however PMK recommends a test pit investigation of the area in order to further investigate the sink holes.



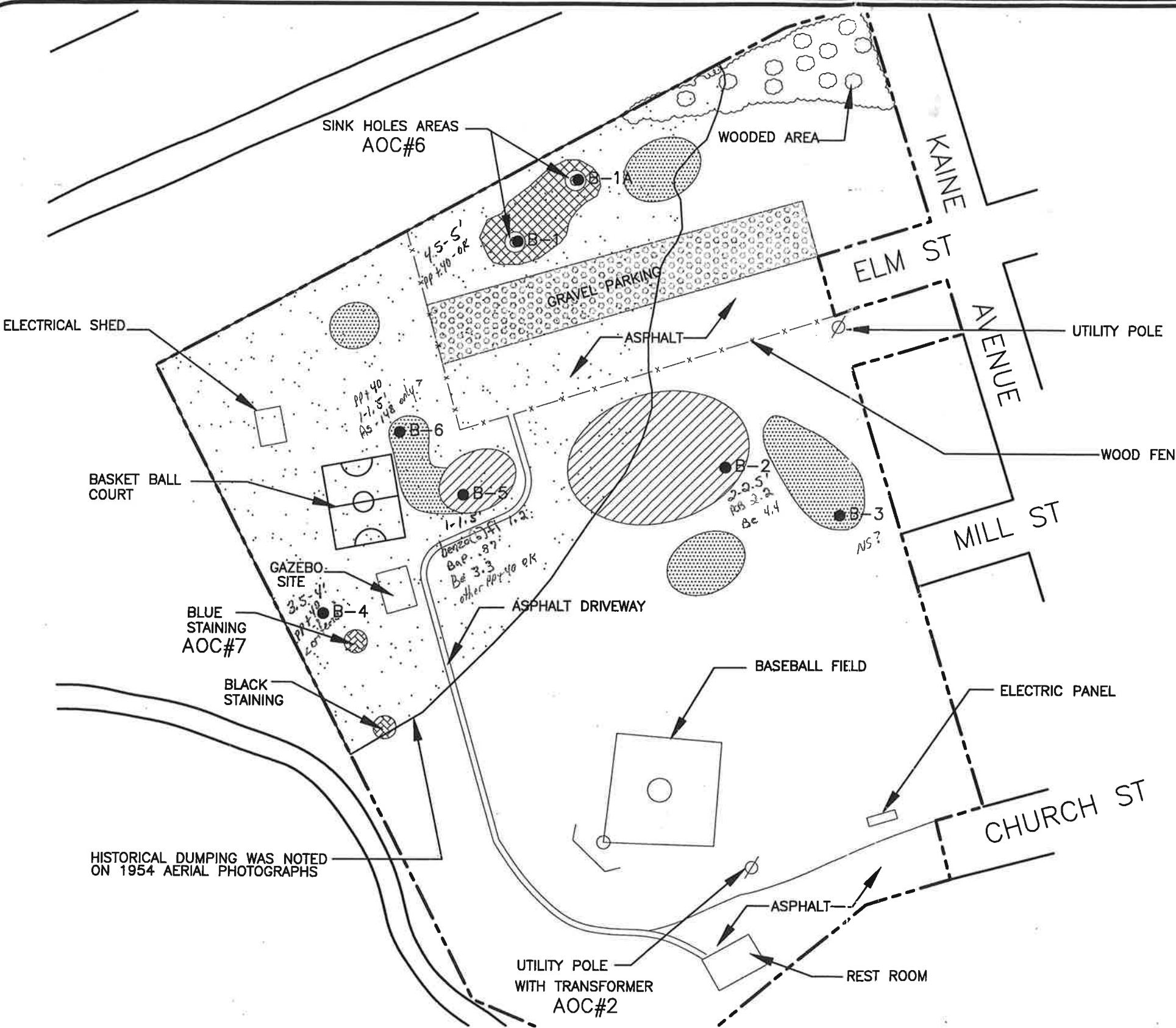
SITE LOCATION MAP
VETERANS MEMORIAL PARK

U.S.G.S. TOPOGRAPHIC MAP
PLAINFIELD QUADRANGLE
1955 (PHOTO REVISED 1981)
CONTOUR INTERVAL: 20 FEET

BLOCK 260; LOT 15.02
CHURCH STREET/KANE AVENUE
SOUTH PLAINFIELD, NEW JERSEY



DRAWN BY:	M.B.	DATE: 3-15-02
CHECKED BY:	J.V.	SCALE: 1"=1,000'
PROJECT NO:		PLATE NO.
0502014		1



LEGEND

AOC#1 - HISTORIC FILL OR ANY OTHER FILL MATERIAL (NOT DEPICTED)

AOC#2 - ELECTRICAL TRANSFORMER

AOC#3 - ^{B-6 B-3} AREAS OF STRESSED VEGETATION (N.T.S.)

AOC#4 - AREAS WHICH RECEIVE FLOOD OR STORM WATER FROM POTENTIALLY CONTAMINATED AREAS (ENTIRE SITE)

AOC#5 ^{B-2 B-5} BLACK OOZE EMANATING FROM THE GROUND (N.T.S.)

AOC#6 - SINK HOLES AREAS ^{B-1}

AOC#7 - DISCOLORED OR SPILL AREAS ^{B-4}

- - - - - ESTIMATED STUDY AREA AND PROPERTY BOUNDARY

● B-1 - NUMBER AND APPROXIMATE LOCATION OF SOIL BORING (INSTALLED ON 3/21/02)

NOTE:
THE LOCATIONS OF INDICATED SITE FEATURES ARE APPROXIMATE AND ARE BASED UPON FIELD OBSERVATIONS AND MEASUREMENTS

SOURCE:
THE ORIGINAL DRAWING IS BASED ON TAX MAP OF SOUTH PLAINFIELD SCALE 1" = 100'

0 50 100 200

SCALE: 1"=100'

VETERANS MEMORIAL PARK
CHURCH STREET & KAINE AVENUE
SOUTH PLAINFIELD, NEW JERSEY

SOIL BORING LOCATION MAP

DRAWN BY	T.S	DATE	4-3-02
CHECKED BY	J.V	SCALE	1"=100'
PROJECT NO.		PLATE NO.	

0502014 2

PROFESSIONAL ENGINEER

LIC. NO.

DATE:



TABLE 1
SAMPLING SUMMARY RESULTS TABLE
VETERANS MEMORIAL FIELD
SOUTH PLAINFIELD, NEW JERSEY
PMK# 0502014

Sample ID	New Jersey Residential Direct Contact Soil Cleanup Criteria (mg/kg)	New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (mg/kg)	New Jersey Impact to Ground Water Soil Cleanup Criteria (mg/kg)	B-1 339265 AOC #6 3/21/02 4.5-5.0 Soil (mg/kg)	B-2 339266 AOC #5 3/21/02 2.0-2.5 Soil (mg/kg)	B-4 339267 AOC #5 3/21/02 3.5-4.0 Soil (mg/kg)	B-5 339268 AOC #5 3/21/02 1.0-1.5 Soil (mg/kg)	B-6 339269 ACC #3 3/21/02 1.0-1.5 Soil (mg/kg)
VOLATILE COMPOUNDS (GC/MS)								
				50.0	50.0	50.0	50.0	50.00
Chloromethane	520	1	10	ND	ND	ND	ND	ND
Benzene	3	13	1	ND	ND	ND	ND	ND
Toluene	1,000	1000	500	ND	ND	ND	ND	ND
Tetrachloroethene	4	6	1	ND	ND	ND	ND	ND
Chlorobenzene	37	680	1	ND	ND	ND	ND	ND
Ethylbenzene	1,000	1000	100	ND	ND	ND	ND	ND
Xylenes (Total)	410	1000	67	ND	ND	ND	ND	ND
Bromoform	86	370	1	ND	ND	ND	ND	ND
Acrolein	NA	NA	NA	ND	ND	ND	ND	ND
Total Confident Conc. VDAs (s)	1,000	1,000	1,000	0	0	0	0	0.00
Total Estimated Conc. VOA TICs (s)	1,000	1,000	1,000	0	0	0	123.50	18.03

TABLE 1 continued
SAMPLING SUMMARY RESULTS TABLE
VETERANS MEMORIAL FIELD
SOUTH PLAINFIELD, NEW JERSEY
PMK# 0502014

Sample ID	Lab Sample Number	New Jersey Residential Direct Contact Soil Cleanup Criteria (mg/kg)	New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (mg/kg)	New Jersey Impact to Ground Water Soil Cleanup Criteria (mg/kg)	B-1	B-2	B-4	B-5
Area of Concern					339265 AOC #6 3/21/02	339267 AOC #5 3/21/02	339268 AOC #5 3/21/02	339269.00 AOC #3 37336.00
Sampling Date					4.5-5.0	2.0-2.5	3.5-4.0	1.0-1.5
Sampling Depth (feet)					Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)
Matrix Units					(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SEMIVOLATILE COMPOUNDS (GC/MS) DILUTION FACTOR					1.00	5.00	1.00	10.00
Phenol	10,000	10,000	50	ND	ND	ND	ND	2.00
2,4-Dinitrophenol	170	3,100	10	ND	8.6 U	1.7 U	15.0 U	0.350 J
NSpithalene	230	4,200	100	ND	0.062 J	ND	2.6 J	3.0 U
AcenSphthylene	NS	NS	NS	ND	0.062 J	0.018 J	ND	0.037 J
AcenSphthene	3,400	10,000	100	ND	ND	ND	0.750 J	0.160 J
Fluorene	2,300	10,000	100	ND	ND	ND	0.510 J	0.024 J
Pentachlorophenol	6	24	100	ND	8.6 U	0.012 J	0.79 J	0.033 J
PhenSnthrene	NS	NS	NS	ND	0.27 J	0.054 J	15.0 U	3.0 U
Anthracene	10,000	10,000	100	ND	ND	ND	0.014 J	0.29 J
Fluoranthene	2,300	10,000	100	ND	0.41 J	0.10 J	0.44 J	0.18 J
Pyrene	1,700	10,000	100	ND	0.48 J	0.11 J	0.68 J	1.5 J
3,3-Dichlorobenzidine	2	6	100	ND	4.3 U	ND	7.4 U	0.84
Benzof(a)anthracene	0.9	4	500	ND	0.33	0.053	ND	1.5 U
Chrysene	9	40	500	ND	0.26 J	0.069 J	0.84	0.37
Benzof(b)fluoranthene	0.9	4	50	ND	0.3	0.082	ND	0.51 J
Benzof(k)fluoranthene	0.9	4	500	ND	0.14 J	0.029 J	0.96 J	0.63
Benzof(a)pyrene	0.66	0.66	100	ND	0.24	0.049	0.51	0.31
Indeno(1,2,3-cd)pyrene	0.9	4	500	ND	0.18 J	0.041 J	0.67	0.49
Dibenz(a,h)anthracene	0.66	0.66	100	ND	0.076 J	0.014 J	0.34 J	0.18
Benzof(g,h,i)perylene	NS	NS	NS	ND	0.21 J	0.044 J	0.14 J	0.064 J
Total Confident Conc. BNSS (s)	10,000	10,000	10,000	0	0.87	0.184	3.42	2.82
Total Estimated Conc. BNSTICs (s)	10,000	10,000	10,000	0	338.5	3.88	561.7	82.61
PCBs								
Arclor-1248	0.49	2	50	1.00	1.00	1.00	1.00	1.00
Arclor-1254	0.49	2	50	ND	ND	ND	ND	ND
Arclor-1260	0.49	2	50	ND	ND	0.17	ND	0.23

TABLE 1 continued
SAMPLING SUMMARY RESULTS TABLE
VETERANS MEMORIAL FIELD
SOUTH PLAINFIELD, NEW JERSEY
PMK# 0502014

Sample ID	New Jersey Residential Direct Contact Soil Cleanup Criteria (mg/kg)	New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (mg/kg)	New Jersey Impact to Ground Water Soil Cleanup Criteria (mg/kg)	B-1 339265 AOC #6 3/21/02 4.5-5.0 Soil (mg/kg)	B-2 339266 AOC #5 3/21/02 2.0-2.5 Soil (mg/kg)	B-4 339267 AOC #5 3/21/02 3.5-4.0 Soil (mg/kg)	B-5 339268 AOC #5 3/21/02 1.0-1.5 Soil (mg/kg)
PESTICIDES							
Chlordane	NS	NS	NS	1.00	1.00	1.00	5.00
4,4'-DDD	3	12	50	ND	ND	ND	ND
4,4'-DDE	2	9	50	ND	ND	ND	ND
4,4'-DDT	2	9	500	ND	ND	ND	ND
Dieldrin	0.042	0.18	50	ND	ND	ND	ND
Endosulfan I	340	6200	50	ND	ND	ND	ND
Endosulfan II	NS	NS	NS	ND	ND	ND	ND
METALS	DILUTION FACTOR			NA	NA	NA	NA
Arsenic	20	20	NS	1.8	4.8	14.4	1.8
Beryllium	2	2	NS	0.22B	4.4	1.0	148
Cadmium	39	100	NS	1.1B	ND	ND	0.45
Chromium	NS	NS	NS	14	15.1	14.5	ND
Copper	600	600	NS	9.6	21.1	25.9	13.90
Lead	400	600	NS	8.5	18.9	38.2	17.30
Mercury	14	270	NS	ND	ND	0.1	33.10
Nickel	250	2,400	NS	6.4B	7.8	12.2	0.02 B
Selenium	63	3,100	NS	1.1 B	ND	7.1 B	17.60
Zinc	1,500	1,500	NS	35.4	34.5	1.3	ND

Qualifiers

NS - No standard
 NA - Not applicable

U - The compound was not detected at the indicated concentration.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40 %.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Concentration is over most stringent NJDEP Soil Cleanup Criteria

X The concentration although indicated with a "U" qualifier is above the most stringent NJDEP SCC

APPENDIX A

Soil Boring Logs

LOG OF BORING



**65 Jackson Drive
P.O. Box 5000
Cranford, New Jersey 07016-5000**

**Boring No: B-1
Project No: 0502014
Date Completed: 3/21/02
Ground Surface Elev:
Total Depth (ft): 8
Depth to Groundwater (ft): 5.5**

SUBSURFACE PROFILE		SAMPLE		PID Readings above background	Comments
Depth	Symbol	Description	Number	Recovery (inches)	
0		Ground Surface Brown sand, some silt with organic matter			
1					
2					
3					
4					
5	/\	Dark brown silt, trace sand			
6		Tan fine sand, little silt Grading to brown fine to medium sand, little gravel Grading to Wet Grading to little silt	B-1 collected for PP+40 at 4.5- 5.0'	40	
7					
8		BORING TERMINATED AT 8 FEET			
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

**Client: Township of South Plainfield
Project: Veterans Memorial Field
Location: Elm Street & Kaine Street
Project Manager: Devang R. Patel**

**Field Scientist: Jeffrey T. Villanova
Driller: ERC
Sampler Type: GEOPROBE
Bore Hole Diameter: 2 inch**

LOG OF BORING



**65 Jackson Drive
P.O. Box 5000
Cranford, New Jersey 07016-5000**

Boring No: B-1A
Project No: 0502014
Date Completed: 3/21/02
Ground Surface Elev:
Total Depth (ft): 8
Depth to Groundwater (ft): 5.5

SUBSURFACE PROFILE		SAMPLE		Comments	
Depth	Symbol	Description	Number	Recovery (inches)	
0		Ground Surface			
1		Fill material (Brown sand, wood, rubber, and gravel)			No staining Moist
2					
3					
4					
5		Black stained fine sand and silt			Slight odor
6					
7		Tan fine to medium sand, trace silt Grading to Wet			Staining
8		BORING TERMINATED AT 8 FEET No soil sample collected from this boring			
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

**Client: Township of South Plainfield
Project: Veterans Memorial Field
Location: Elm Street & Kaine Street
Project Manager: Devang R. Patel**

**Field Scientist: Jeffrey T. Villanova
Driller: ERC
Sampler Type: GEOPROBE
Bore Hole Diameter: 2 inch**

LOG OF BORING



**65 Jackson Drive
P.O. Box 5000
Cranford, New Jersey 07016-5000**

Boring No: B-2
Project No: 0502014
Date Completed: 3/21/02
Ground Surface Elev:
Total Depth (ft): 8
Depth to Groundwater (ft): 5.5

SUBSURFACE PROFILE		SAMPLE		PID Readings above background	Comments
Depth	Symbol	Description	Number	Recovery (inches)	
0		Ground Surface			
1		Fill material (Black tar like substance, glass, sand, brick)			
2		Fill material (Reddish brown fine sand, little silt)			
3		Fill material (Light brown silt, trace fine sand)			
4		Fill material (Tan clay, trace fine sand)			
5		Fill material (Tan medium sand, industrial glass particles)			
6		Reddish brown fine to medium sand, trace silt			
7		Grading to Wet at 6.5'			
8		BORING TERMINATED AT 8 FEET			
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Client: Township of South Plainfield
Project: Veterans Memorial Field
Location: Elm Street & Kaine Street
Project Manager: Devang R. Patel

Field Scientist: Jeffrey T. Villanova
Driller: ERC
Sampler Type: GEOPROBE
Bore Hole Diameter: 2 inch

LOG OF BORING



**65 Jackson Drive
P.O. Box 5000
Cranford, New Jersey 07016-5000**

Boring No: B-3
Project No: 0502014
Date Completed: 3/21/02
Ground Surface Elev:
Total Depth (ft): 4
Depth to Groundwater (ft): Not encountered

SUBSURFACE PROFILE		SAMPLE		PID Readings above background	Comments
Depth	Symbol	Description	Number	Recovery (inches)	
0		Ground Surface			
1		Fill material (brown fine to medium sand, little silt, glass particles)			
2		Reddish brown fine sand, little silt			
3					
4		BORING TERMINATED AT 4 FEET No soil sample collected from this boring			
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Client: Township of South Plainfield
Project: Veterans Memorial Field
Location: Elm Street & Kaine Street
Project Manager: Devang R. Patel

Field Scientist: Jeffrey T. Villanova
Driller: ERC
Sampler Type: GEOPROBE
Bore Hole Diameter: 2 inch

LOG OF BORING



**65 Jackson Drive
P.O. Box 5000
Cranford, New Jersey 07016-5000**

**Boring No: B-4
Project No: 0502014
Date Completed: 3/21/02
Ground Surface Elev:
Total Depth (ft): 4
Depth to Groundwater (ft): Not encountered**

SUBSURFACE PROFILE		SAMPLE		PID Readings above background	Comments
Depth	Symbol	Description	Number	Recovery (inches)	
0		Ground Surface Reddish brown sand, trace silt			
1					No odor
2					No staining
3		Grading to wet			
4		Light brown clay			Black patches of silty sand at 3.7'
5		BORING TERMINATED AT 4.0 FEET			
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

**Client: Township of South Plainfield
Project: Veterans Memorial Field
Location: Elm Street & Kaine Street
Project Manager: Devang R. Patel**

**Field Scientist: Jeffrey T. Villanova
Driller: ERC
Sampler Type: GEOPROBE
Bore Hole Diameter: 2 inch**

LOG OF BORING



**65 Jackson Drive
P.O. Box 5000
Cranford, New Jersey 07016-5000**

Boring No: B-5
Project No: 0502014
Date Completed: 3/21/02
Ground Surface Elev:
Total Depth (ft): 8
Depth to Groundwater (ft): 2.5

SUBSURFACE PROFILE		SAMPLE		PID Readings above background	Comments
Depth	Symbol	Description	Number	Recovery (inches)	
0		Ground Surface			
1		Fill material			
2		Brown sand			
3		Black stained sand and gravel			
4		Grading to wet			
5		Black tar like substance from 2.5 to 7.5 feet			
6					
7					
8		Reddish fine sand, little silt			
9		BORING TERMINATED AT 8 FEET			
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

**Client: Township of South Plainfield
Project: Veterans Memorial Field
Location: Elm Street & Kaine Street
Project Manager: Devang R. Patel**

**Field Scientist: Jeffrey T. Villanova
Driller: ERC
Sampler Type: GEOPROBE
Bore Hole Diameter: 2 inch**

LOG OF BORING



**65 Jackson Drive
P.O. Box 5000
Cranford, New Jersey 07016-5000**

Boring No: B-6
Project No: 0502014
Date Completed: 3/21/02
Ground Surface Elev:
Total Depth (ft): 8
Depth to Groundwater (ft): 4.5

SUBSURFACE PROFILE		SAMPLE		Comments	
Depth	Symbol	Description	Number	Recovery (inches)	
0		Ground Surface			
1		Fill material (brown and black sand, pieces of tiles)	B-6 collected for PP+40 at 1.0- 1.5'	25	Staining No odor
4		6 inches of tiles Grading to wet			
5		Grey clay		28	
6		Brown medium to coarse sand patches of black sands			
8		BORING TERMINATED AT 8 FEET			
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Client: Township of South Plainfield
Project: Veterans Memorial Field
Location: Elm Street & Kaine Street
Project Manager: Devang R. Patel

Field Scientist: Jeffrey T. Villanova
Driller: ERC
Sampler Type: GEOPROBE
Bore Hole Diameter: 2 inch



APPENDIX B

Laboratory Analytical Results

Job	Sample No	Client ID	Sample Date	Fraction	Parameter	Result	Qual	MDL	Units	Dilution
U686	339265	B-1	3/21/02	BNAMS	Phenol	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	2-Chlorophenol	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	2-Nitrophenol	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	2,4-Dimethylphenol	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	2,4-Dichlorophenol 4-Chloro-3-methylphenol	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	2,4,6-Trichlorophenol	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	2,4-Dinitrophenol	U	1500	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	4-Nitrophenol 4,6-Dinitro-2-methylphenol	U	1500	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Pentachlorophenol N-	U	1500	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Nitrosodimethylamino bis(2-	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Chloroethyl)ether 1,3-	U	39	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Dichlorobenzene 1,4-	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Dichlorobenzene 1,2-	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Dichlorobenzene bis(2-	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	chloroisopropyl)ether N-Nitroso-di-n-propylamine	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Hexachloroethane	U	39	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Nitrobenzene	U	39	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Isophorone bis(2-	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Chloroethoxy)methane 1,2,4-	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Trichlorobenzene	U	39	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Naphthalene Hexachlorobutadiene	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Hexachlorocyclopentadiene 2-	U	77	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Chloronaphthalene	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Dimethylphthalate	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Acenaphthylene	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	2,6-Dinitrotoluene	U	77	ug/Kg	1	

U686	339265	B-1	3/21/02	BNAMS	2,6-Dinitrotoluene	U	77	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Acenaphthene	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	2,4-Dinitrotoluene	U	77	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Diethylphthalate 4-Chlorophenyl-phenylether	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Fluorene N-	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Nitrosodiphenylamin 4-Bromophenyl-phenylether	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Hexachlorobenzene	U	39	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Phenanthrene	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Anthracene	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Di-n-butylphthalate	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Fluoranthene	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Pyrene	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Benzidine Butylbenzylphthalat	U	1500	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	e 3,3'-	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Dichlorobenzidine	U	770	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Benzo(a)anthracene	U	39	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Chrysene bis(2-	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Ethylhexyl)phthalate	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Di-n-octylphthalate	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Benzo(b)fluoranthene	U	39	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Benzo(k)fluoranthene	U	39	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Benzo(a)pyrene Indeno(1,2,3-cd)pyrene	U	39	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Dibenz(a,h)anthracene	U	39	ug/Kg	1	
U686	339265	B-1	3/21/02	BNAMS	Benzo(g,h,i)perylene	U	390	ug/Kg	1	
U686	339265	B-1	3/21/02	METALS	Antimony	U	1.3	mg/kg	2	
U686	339265	B-1	3/21/02	METALS	Arsenic	1.8	0.74	mg/kg	2	
U686	339265	B-1	3/21/02	METALS	Beryllium	0.22	B	0.07	mg/kg	2

U686	339265	B-1	3/21/02	METALS	Cadmium	1.1	B	0.093	mg/kg	2
U686	339265	B-1	3/21/02	METALS	Chromium	14		0.37	mg/kg	2
U686	339265	B-1	3/21/02	METALS	Copper	9.6		0.86	mg/kg	2
U686	339265	B-1	3/21/02	METALS	Lead	8.5		0.53	mg/kg	2
U686	339265	B-1	3/21/02	METALS	Mercury		U	0.019	mg/kg	1
U686	339265	B-1	3/21/02	METALS	Nickel	6.4	B	0.37	mg/kg	2
U686	339265	B-1	3/21/02	METALS	Selenium	1.1	B	0.98	mg/kg	2
U686	339265	B-1	3/21/02	METALS	Silver		U	0.33	mg/kg	2
U686	339265	B-1	3/21/02	METALS	Thallium		U	1.1	mg/kg	2
U686	339265	B-1	3/21/02	METALS	Zinc	35.4		1.3	mg/kg	2
U686	339265	B-1	3/21/02	PESTGC	Aldrin		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	alpha-BHC		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	beta-BHC		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	delta-BHC gamma-BHC (Lindane)		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Chlordane		U	78	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	4,4'-DDD		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	4,4'-DDE		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	4,4'-DDT		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Dieldrin		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Endosulfan I		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Endosulfan II		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Endosulfan sulfate		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Endrin		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Endrin aldehyde		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Heptachlor		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Heptachlor epoxide		U	7.8	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Toxaphene		U	78	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Aroclor-1016		U	78	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Aroclor-1221		U	78	ug/kg	1

U686	339265	B-1	3/21/02	PESTGC	Aroclor-1232	U	78	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Aroclor-1242	U	78	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Aroclor-1248	U	78	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Aroclor-1254	U	78	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Aroclor-1260	U	78	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Aroclor-1262	U	78	ug/kg	1
U686	339265	B-1	3/21/02	PESTGC	Aroclor-1268	U	78	ug/kg	1
U686	339265	B-1	3/21/02	VOAMS	Chloromethane	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Bromomethane	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Vinyl Chloride	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Chloroethane	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Methylene Chloride Trichlorofluorometha ne	U	440	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	1,1-Dichloroethene	U	300	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	1,1-Dichloroethane trans-1,2-	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Dichloroethene cis-1,2-	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Dichloroethene	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Chloroform	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	1,2-Dichloroethane 1,1,1-	U	300	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Trichloroethane Carbon	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Tetrachloride Bromodichlorometha ne	U	300	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	1,2-Dichloropropane cis-1,3-	U	150	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Dichloropropene	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Trichloroethene Dibromochlorometh ane	U	150	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	1,1,2-	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Trichloroethane	U	440	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Benzene trans-1,3-	U	150	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Dichloropropene 2-Chloroethyl Vinyl Ether	U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS		U	740	ug/Kg	50

U686	339265	B-1	3/21/02	VOAMS	Bromoform		U	590	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Tetrachloroethene 1,1,2,2-		U	150	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Tetrachloroethane		U	150	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Toluene		U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Chlorobenzene		U	740	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Ethylbenzene		U	590	ug/Kg	50
U686	339265	B-1	3/21/02	VOAMS	Xylene (Total)		U	740	ug/Kg	50
U686	339266	B-2	3/21/02	BNAMS	Unknown_17.71	9700			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_18.08	5500			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_18.11	6200			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Nonylphenolisomer_				ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	18.52	38000			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Nonylphenolisomer_				ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	18.96	14000			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_19.63	9900			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_19.82	9000			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_20.00	6500			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_20.24	6400			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_21.08	9400			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_21.41	11000			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_21.72	50000			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_21.98	13000			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_22.08	8300			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_22.28	8800			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_22.69	30000			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_22.88	8700			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_23.07	13000			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_23.30	20000			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_23.38	7900			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_23.59	13000			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_23.79	6600			ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Unknown_24.07	22000			ug/Kg	5

U686	339266	B-2	3/21/02	BNAMS	Nonylphenolisomer_24.83	6300		ug/Kg	5	
U686	339266	B-2	3/21/02	BNAMS	Unknown_25.90	5300		ug/Kg	5	
U686	339266	B-2	3/21/02	BNAMS	Phenol		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	2-Chlorophenol		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	2-Nitrophenol		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	2,4-Dimethylphenol		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	2,4-Dichlorophenol 4-Chloro-3-methylphenol		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	2,4,6-methylphenol		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Trichlorophenol		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	2,4-Dinitrophenol		U	8600	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	4-Nitrophenol 4,6-Dinitro-2-methylphenol		U	8600	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Pentachlorophenol N-		U	8600	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Nitrosodimethylaminobis(2-chloroethyl)ether		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	1,3-Dichlorobenzene		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	1,4-Dichlorobenzene		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	1,2-Dichlorobenzene bis(2-chloroisopropyl)ether		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	N-Nitroso-di-n-propylamine		U	220	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Hexachloroethane		U	220	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Nitrobenzene		U	220	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Isophorone bis(2-chloroethoxy)methane		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	1,2,4-Trichlorobenzene		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Naphthalene Hexachlorobutadiene	62	J	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	e Hexachlorocyclopentadiene		U	430	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	2-Choronaphthalene		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Dimethylphthalate		U	2200	ug/Kg	5

U686	339266	B-2	3/21/02	BNAMS	Acenaphthylene	62	J	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	2,6-Dinitrotoluene		U	430	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Acenaphthene		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	2,4-Dinitrotoluene		U	430	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Diethylphthalate 4-Chlorophenyl-phenylether		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Fluorene N-		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Nitrosodiphenylamin 4-Bromophenyl-phenylether		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Hexachlorobenzene		U	220	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Phenanthrene	270	J	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Anthracene		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Di-n-butylphthalate		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Fluoranthene	410	J	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Pyrene	480	J	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Benzidine Butylbenzylphthalat		U	8600	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	e 3,3'-		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Dichlorobenzidine		U	4300	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Benzo(a)anthracene	330		220	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Chrysene bis(2-	260	J	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Ethylhexyl)phthalate		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Di-n-octylphthalate Benzo(b)fluoranthen		U	2200	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	e Benzo(k)fluoranthen	300		220	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	e	140	J	220	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	Benzo(a)pyrene Indeno(1,2,3-	240		220	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	cd)pyrene Dibenz(a,h)anthrace	180	J	220	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS	ne Benzo(g,h,i)perylene	76	J	220	ug/Kg	5
U686	339266	B-2	3/21/02	BNAMS		210	J	2200	ug/Kg	5
U686	339266	B-2	3/21/02	METALS	Antimony		U	1.4	mg/kg	2
U686	339266	B-2	3/21/02	METALS	Arsenic	4.8		0.75	mg/kg	2

U686	339266	B-2	3/21/02	METALS	Beryllium	4.4		0.071	mg/kg	2
U686	339266	B-2	3/21/02	METALS	Cadmium		U	0.094	mg/kg	2
U686	339266	B-2	3/21/02	METALS	Chromium	15.1		0.38	mg/kg	2
U686	339266	B-2	3/21/02	METALS	Copper	21.1		0.87	mg/kg	2
U686	339266	B-2	3/21/02	METALS	Lead	18.9		0.54	mg/kg	2
U686	339266	B-2	3/21/02	METALS	Mercury		U	0.022	mg/kg	1
U686	339266	B-2	3/21/02	METALS	Nickel	7.8	B	0.38	mg/kg	2
U686	339266	B-2	3/21/02	METALS	Selenium		U	0.99	mg/kg	2
U686	339266	B-2	3/21/02	METALS	Silver		U	0.33	mg/kg	2
U686	339266	B-2	3/21/02	METALS	Thallium		U	1.1	mg/kg	2
U686	339266	B-2	3/21/02	METALS	Zinc	34.5		1.4	mg/kg	2
U686	339266	B-2	3/21/02	PESTGC	Aldrin		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	alpha-BHC		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	beta-BHC		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	delta-BHC gamma-BHC (Lindane)		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Chlordane		U	87	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	4,4'-DDD	22	P*	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	4,4'-DDE		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	4,4'-DDT		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Dieldrin	14	P*	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Endosulfan I	13		8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Endosulfan II		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Endosulfan sulfate		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Endrin		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Endrin aldehyde		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Heptachlor		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Heptachlor epoxide		U	8.7	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Toxaphene		U	87	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Aroclor-1016		U	170	ug/kg	1

U686	339266	B-2	3/21/02	PESTGC	Aroclor-1221		U	170	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Aroclor-1232		U	170	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Aroclor-1242		U	170	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Aroclor-1248		U	170	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Aroclor-1254	2200		170	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Aroclor-1260		U	170	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Aroclor-1262		U	170	ug/kg	1
U686	339266	B-2	3/21/02	PESTGC	Aroclor-1268		U	170	ug/kg	1
U686	339266	B-2	3/21/02	VOAMS	Chloromethane		U	750	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Bromomethane		U	750	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Vinyl Chloride		U	750	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Chloroethane		U	750	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Methylene Chloride Trichlorofluorometha ne		U	450	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	1,1-Dichloroethene		U	300	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	1,1-Dichloroethane trans-1,2-		U	750	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Dichloroethene cis-1,2-		U	750	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Dichloroethene		U	750	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Chloroform		U	750	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	1,2-Dichloroethane 1,1,1-		U	300	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Trichloroethane Carbon		U	750	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Tetrachloride Bromodichlorometha ne		U	300	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS			U	150	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	1,2-Dichloropropane cis-1,3-		U	150	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Dichloropropene		U	750	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Trichloroethene Dibromochlorometh		U	150	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	ane 1,1,2-		U	750	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Trichloroethane		U	450	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Benzene trans-1,3-		U	150	ug/Kg	50
U686	339266	B-2	3/21/02	VOAMS	Dichloropropene		U	750	ug/Kg	50

					2-Chloroethyl Vinyl Ether				
U686	339266	B-2	3/21/02	VOAMS	Bromoform		U	750	ug/Kg
U686	339266	B-2	3/21/02	VOAMS	Tetrachloroethene 1,1,2,2-Tetrachloroethane		U	150	ug/Kg
U686	339266	B-2	3/21/02	VOAMS	Toluene		U	750	ug/Kg
U686	339266	B-2	3/21/02	VOAMS	Chlorobenzene		U	750	ug/Kg
U686	339266	B-2	3/21/02	VOAMS	Ethylbenzene		U	600	ug/Kg
U686	339266	B-2	3/21/02	VOAMS	Xylene (Total)		U	750	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	Unknown_15.93	540			ug/Kg
U686	339267	B-4	3/21/02	BNAMS	Unknown_24.19	420			ug/Kg
U686	339267	B-4	3/21/02	BNAMS	Unknown_25.34	540			ug/Kg
U686	339267	B-4	3/21/02	BNAMS	Unknown_26.17 UnknownAlkane_26.	560			ug/Kg
U686	339267	B-4	3/21/02	BNAMS	81 UnknownAlkane_28.	400			ug/Kg
U686	339267	B-4	3/21/02	BNAMS	87	550			ug/Kg
U686	339267	B-4	3/21/02	BNAMS	Unknown_32.01	370			ug/Kg
U686	339267	B-4	3/21/02	BNAMS	Unknown_38.10	500			ug/Kg
U686	339267	B-4	3/21/02	BNAMS	Phenol		U	430	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	2-Chlorophenol		U	430	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	2-Nitrophenol		U	430	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	2,4-Dimethylphenol		U	430	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	2,4-Dichlorophenol 4-Chloro-3-		U	430	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	methylphenol 2,4,6-		U	430	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	Trichlorophenol		U	430	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	2,4-Dinitrophenol		U	1700	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	4-Nitrophenol 4,6-Dinitro-2-		U	1700	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	methylphenol		U	1700	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	Pentachlorophenol N-	12	J	1700	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	Nitrosodimethylamin bis(2-		U	430	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	Chloroethyl)ether		U	43	ug/Kg
U686	339267	B-4	3/21/02	BNAMS	1,3-Dichlorobenzene		U	430	ug/Kg

U686	339267	B-4	3/21/02	BNAMS	1,4-Dichlorobenzene		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	1,2-Dichlorobenzene bis(2-		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	chloroisopropyl)ethe N-Nitroso-di-n-		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	propylamine		U	43	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Hexachloroethane		U	43	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Nitrobenzene		U	43	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Isophorone bis(2-		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Chloroethoxy)metha 1,2,4-		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Trichlorobenzene		U	43	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Naphthalene Hexachlorobutadien		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	e Hexachlorocyclopent		U	86	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	adiene 2-		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Chloronaphthalene		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Dimethylphthalate		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Acenaphthylene	18	J	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	2,6-Dinitrotoluene		U	86	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Acenaphthene		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	2,4-Dinitrotoluene		U	86	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Diethylphthalate 4-Chlorophenyl-phenylether		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Fluorene N-		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Nitrosodiphenylamin 4-Bromophenyl-phenylether		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Hexachlorobenzene		U	43	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Phenanthrene	54	J	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Anthracene	14	J	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Di-n-butylphthalate		U	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Fluoranthene	100	J	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Pyrene	110	J	430	ug/Kg	1
U686	339267	B-4	3/21/02	BNAMS	Benzidine		U	1700	ug/Kg	1

Butylbenzylphthalat											
						e 3,3'-					
U686	339267	B-4	3/21/02	BNAMS	Dichlorobenzidine		U	430	ug/Kg	1	
U686	339267	B-4	3/21/02	BNAMS	Benzo(a)anthracene	53		43	ug/Kg	1	
U686	339267	B-4	3/21/02	BNAMS	Chrysene	69	J	430	ug/Kg	1	
U686	339267	B-4	3/21/02	BNAMS	bis(2-Ethylhexyl)phthalate		U	430	ug/Kg	1	
U686	339267	B-4	3/21/02	BNAMS	Di-n-octylphthalate		U	430	ug/Kg	1	
U686	339267	B-4	3/21/02	BNAMS	Benzo(b)fluoranthene	82		43	ug/Kg	1	
U686	339267	B-4	3/21/02	BNAMS	Benzo(k)fluoranthene	29	J	43	ug/Kg	1	
U686	339267	B-4	3/21/02	BNAMS	Benzo(a)pyrene	49		43	ug/Kg	1	
U686	339267	B-4	3/21/02	BNAMS	Indeno(1,2,3-cd)pyrene	41	J	43	ug/Kg	1	
U686	339267	B-4	3/21/02	BNAMS	Dibenz(a,h)anthracene	14	J	43	ug/Kg	1	
U686	339267	B-4	3/21/02	BNAMS	Benzo(g,h,i)perylene	44	J	430	ug/Kg	1	
U686	339267	B-4	3/21/02	METALS	Antimony		U	1.4	mg/kg	2	
U686	339267	B-4	3/21/02	METALS	Arsenic	14.4		0.75	mg/kg	2	
U686	339267	B-4	3/21/02	METALS	Beryllium	1		0.071	mg/kg	2	
U686	339267	B-4	3/21/02	METALS	Cadmium		U	0.094	mg/kg	2	
U686	339267	B-4	3/21/02	METALS	Chromium	14.5		0.38	mg/kg	2	
U686	339267	B-4	3/21/02	METALS	Copper	25.9		0.87	mg/kg	2	
U686	339267	B-4	3/21/02	METALS	Lead	38.2		0.54	mg/kg	2	
U686	339267	B-4	3/21/02	METALS	Mercury	0.14		0.018	mg/kg	1	
U686	339267	B-4	3/21/02	METALS	Nickel	12.2		0.38	mg/kg	2	
U686	339267	B-4	3/21/02	METALS	Selenium	1.3		0.99	mg/kg	2	
U686	339267	B-4	3/21/02	METALS	Silver		U	0.33	mg/kg	2	
U686	339267	B-4	3/21/02	METALS	Thallium		U	1.1	mg/kg	2	
U686	339267	B-4	3/21/02	METALS	Zinc	50.2		1.4	mg/kg	2	
U686	339267	B-4	3/21/02	PESTGC	Aldrin		U	8.7	ug/kg	1	
U686	339267	B-4	3/21/02	PESTGC	alpha-BHC		U	8.7	ug/kg	1	
U686	339267	B-4	3/21/02	PESTGC	beta-BHC		U	8.7	ug/kg	1	
U686	339267	B-4	3/21/02	PESTGC	delta-BHC gamma-BHC (Lindane)		U	8.7	ug/kg	1	
U686	339267	B-4	3/21/02	PESTGC			U	8.7	ug/kg	1	

U686	339267	B-4	3/21/02	PESTGC	Chlordane	U	87	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	4,4'-DDD	U	8.7	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	4,4'-DDE	U	8.7	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	4,4'-DDT	U	8.7	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Dieldrin	U	8.7	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Endosulfan I	U	8.7	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Endosulfan II	U	8.7	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Endosulfan sulfate	U	8.7	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Endrin	U	8.7	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Endrin aldehyde	U	8.7	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Heptachlor	U	8.7	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Heptachlor epoxide	U	8.7	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Toxaphene	U	87	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Aroclor-1016	U	87	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Aroclor-1221	U	87	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Aroclor-1232	U	87	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Aroclor-1242	U	87	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Aroclor-1248	U	87	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Aroclor-1254	170	87	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Aroclor-1260	U	87	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Aroclor-1262	U	87	ug/kg	1
U686	339267	B-4	3/21/02	PESTGC	Aroclor-1268	U	87	ug/kg	1
U686	339267	B-4	3/21/02	VOAMS	Chloromethane	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Bromomethane	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Vinyl Chloride	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Chloroethane	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Methylene Chloride Trichlorofluorometha ne	U	540	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	1,1-Dichloroethene	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	1,1-Dichloroethane	U	900	ug/Kg	50

U686	339267	B-4	3/21/02	VOAMS	trans-1,2-Dichloroethene cis-1,2-Dichloroethene	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Chloroform	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	1,2-Dichloroethane 1,1,1-Trichloroethane	U	360	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Carbon Tetrachloride	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Bromodichloromethane	U	360	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	1,2-Dichloropropane cis-1,3-Dichloropropene	U	180	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Trichloroethene Dibromochloromethane	U	180	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	1,1,2-Trichloroethane	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Benzene trans-1,3-Dichloropropene	U	540	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	2-Chloroethyl Vinyl Ether	U	180	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Bromoform	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Tetrachloroethene 1,1,2,2-Tetrachloroethane	U	180	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Toluene	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Chlorobenzene	U	900	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Ethylbenzene	U	720	ug/Kg	50
U686	339267	B-4	3/21/02	VOAMS	Xylene (Total) UnknownAlkane_12.	U	900	ug/Kg	50
U686	339268	B-5	3/21/02	BNAMS	59	17000		ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Unknown_13.01	22000		ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Unknown_13.67 UnknownAlkane_13.	14000		ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	91	21000		ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Unknown_14.13 UnknownAlkane_14.	20000		ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	87 UnknownAlkane_15.	27000		ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	03	16000		ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Unknown_15.10	20000		ug/Kg	10

U686	339268	B-5	3/21/02	BNAMS	UnknownCycloalkane_15.24	22000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	UnknownAlkane_15.40	14000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	UnknownAlkane_15.48	47000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Unknown_15.60	9700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Unknown_15.66	15000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	UnknownAlkane_15.92	13000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	UnknownCycloalkane_16.27	16000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	UnknownAlkane_16.47	51000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Unknown_16.69	28000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	UnknownAlkane_16.77	15000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	UnknownAlkane_17.23	40000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	UnknownAlkane_18.09	21000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	UnknownAlkane_18.75	24000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	UnknownAlkane_19.19	22000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	UnknownAlkane_19.96	19000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Unknown_21.48	28000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Unknown_21.90	20000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Phenol	U 3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	2-Chlorophenol	U 3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	2-Nitrophenol	U 3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	2,4-Dimethylphenol	U 3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	2,4-Dichlorophenol	U 3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	4-Chloro-3-methylphenol	U 3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	2,4,6-Trichlorophenol	U 3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	2,4-Dinitrophenol	U 15000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	4-Nitrophenol	U 15000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	4,6-Dinitro-2-methylphenol	U 15000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Pentachlorophenol	U 15000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Nitrosodimethylaminobis(2-Chloroethyl)ether	U 370	ug/Kg	10

U686	339268	B-5	3/21/02	BNAMS	1,3-Dichlorobenzene		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	1,4-Dichlorobenzene		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	1,2-Dichlorobenzene bis(2-		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	chloroisopropyl)ethene		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	N-Nitroso-di-n- propylamine		U	370	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Hexachloroethane		U	370	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Nitrobenzene		U	370	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Isophorone bis(2-		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Chloroethoxy)metha- 1,2,4-		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Trichlorobenzene		U	370	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Naphthalene Hexachlorobutadien	2600	J	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	e Hexachlorocyclopent		U	740	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	adiene 2-		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Choronaphthalene		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Dimethylphthalate		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Acenaphthylene	750	J	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	2,6-Dinitrotoluene		U	740	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Acenaphthene	510	J	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	2,4-Dinitrotoluene		U	740	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Diethylphthalate 4-Chlorophenyl- phenylether		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Fluorene N-	790	J	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Nitrosodiphenylamin		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	4-Bromophenyl- phenylether		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Hexachlorobenzene		U	370	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Phenanthrene	1300	J	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Anthracene	440	J	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Di-n-butylphthalate		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Fluoranthene	1500	J	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Pyrene	1600	J	3700	ug/Kg	10

U686	339268	B-5	3/21/02	BNAMS	Benzidine Butylbenzylphthalat		U	15000	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	e 3,3'-		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Dichlorobenzidine		U	7400	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Benzo(a)anthracene	840		370	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Chrysene bis(2-	960	J	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Ethylhexyl)phthalate		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Di-n-octylphthalate Benzo(b)fluoranthene		U	3700	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	e Benzo(k)fluoranthene	1200		370	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	e	510		370	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	Benzo(a)pyrene Indeno(1,2,3-	870		370	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	cd)pyrene Dibenz(a,h)anthracene	340	J	370	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS	ne Benzo(g,h,i)perylene	140	J	370	ug/Kg	10
U686	339268	B-5	3/21/02	BNAMS		370	J	3700	ug/Kg	10
U686	339268	B-5	3/21/02	METALS	Antimony		U	1.2	mg/kg	2
U686	339268	B-5	3/21/02	METALS	Arsenic	1.8		0.65	mg/kg	2
U686	339268	B-5	3/21/02	METALS	Beryllium	3.3		0.061	mg/kg	2
U686	339268	B-5	3/21/02	METALS	Cadmium		U	0.081	mg/kg	2
U686	339268	B-5	3/21/02	METALS	Chromium	13.2		0.32	mg/kg	2
U686	339268	B-5	3/21/02	METALS	Copper	15.1		0.75	mg/kg	2
U686	339268	B-5	3/21/02	METALS	Lead	8.6		0.46	mg/kg	2
U686	339268	B-5	3/21/02	METALS	Mercury		U	0.019	mg/kg	1
U686	339268	B-5	3/21/02	METALS	Nickel	7.1	B	0.32	mg/kg	2
U686	339268	B-5	3/21/02	METALS	Selenium		U	0.85	mg/kg	2
U686	339268	B-5	3/21/02	METALS	Silver		U	0.28	mg/kg	2
U686	339268	B-5	3/21/02	METALS	Thallium		U	0.95	mg/kg	2
U686	339268	B-5	3/21/02	METALS	Zinc	21.2		1.2	mg/kg	2
U686	339268	B-5	3/21/02	PESTGC	Aldrin		U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	alpha-BHC		U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	beta-BHC		U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	delta-BHC		U	37	ug/kg	5

U686	339268	B-5	3/21/02	PESTGC	gamma-BHC (Lindane)	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	Chlordane	U	370	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	4,4'-DDD	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	4,4'-DDE	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	4,4'-DDT	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	Dieldrin	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	Endosulfan I	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	Endosulfan II	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	Endosulfan sulfate	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	Endrin	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	Endrin aldehyde	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	Heptachlor	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	Heptachlor epoxide	U	37	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	Toxaphene	U	370	ug/kg	5
U686	339268	B-5	3/21/02	PESTGC	Aroclor-1016	U	74	ug/kg	1
U686	339268	B-5	3/21/02	PESTGC	Aroclor-1221	U	74	ug/kg	1
U686	339268	B-5	3/21/02	PESTGC	Aroclor-1232	U	74	ug/kg	1
U686	339268	B-5	3/21/02	PESTGC	Aroclor-1242	U	74	ug/kg	1
U686	339268	B-5	3/21/02	PESTGC	Aroclor-1248	U	74	ug/kg	1
U686	339268	B-5	3/21/02	PESTGC	Aroclor-1254	U	74	ug/kg	1
U686	339268	B-5	3/21/02	PESTGC	Aroclor-1260	U	74	ug/kg	1
U686	339268	B-5	3/21/02	PESTGC	Aroclor-1262	U	74	ug/kg	1
U686	339268	B-5	3/21/02	PESTGC	Aroclor-1268 C10H20Alkene_13.5	U	74	ug/kg	1
U686	339268	B-5	3/21/02	VOAMS	0 UnknownCycloalkan	5700		ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	e_13.75 UnknownCycloalkan	4800		ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	e_14.67 UnknownCycloalkan	11000		ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	e_14.88 UnknownCycloalkan	18000		ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Unknown_15.06 UnknownCycloalkan	5100		ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	e_15.18 UnknownCycloalkan	6000		ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	e/Unknown_15.37	8600		ug/Kg	50

U686	339268	B-5	3/21/02	VOAMS	Decahydromethylnapthaleneisomer_15	5600		ug/Kg	50	
U686	339268	B-5	3/21/02	VOAMS	Decahydromethylnapthaleneisomer_15	7100		ug/Kg	50	
U686	339268	B-5	3/21/02	VOAMS	Ethyldimethylbenzenoisomer/Unknown_1	6100		ug/Kg	50	
U686	339268	B-5	3/21/02	VOAMS	Decahydrodimethylnapthaleneisomer_1	8200		ug/Kg	50	
U686	339268	B-5	3/21/02	VOAMS	UnknownCycloalkane_16.57	11000		ug/Kg	50	
U686	339268	B-5	3/21/02	VOAMS	Decahydrodimethylnapthaleneisomer/U	9300		ug/Kg	50	
U686	339268	B-5	3/21/02	VOAMS	Unknown_17.15	12000		ug/Kg	50	
U686	339268	B-5	3/21/02	VOAMS	Unknown_17.31	5000		ug/Kg	50	
U686	339268	B-5	3/21/02	VOAMS	Chloromethane		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Bromomethane		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Vinyl Chloride		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Chloroethane		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Methylene Chloride		U	430	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Trichlorofluoromethane		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	1,1-Dichloroethene		U	290	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	1,1-Dichloroethane		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	trans-1,2-Dichloroethene		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	cis-1,2-Dichloroethene		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Dichloroethene		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Chloroform		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	1,2-Dichloroethane		U	290	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	1,1,1-Trichloroethane		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Carbon Tetrachloride		U	290	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Bromodichloromethane		U	140	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	1,2-Dichloropropane		U	140	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	cis-1,3-Dichloropropene		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Trichloroethene		U	140	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Dibromochloromethane		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	1,1,2-Trichloroethane		U	430	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Benzene		U	140	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	trans-1,3-Dichloropropene		U	720	ug/Kg	50

U686	339268	B-5	3/21/02	VOAMS	2-Chloroethyl Vinyl Ether		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Bromoform		U	570	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Tetrachloroethene 1,1,2,2-Tetrachloroethane		U	140	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Toluene		U	140	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Chlorobenzene		U	720	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Ethylbenzene		U	570	ug/Kg	50
U686	339268	B-5	3/21/02	VOAMS	Xylene (Total)		U	720	ug/Kg	50
U686	339269	B-6	3/21/02	BNAMS	Unknown_15.66 UnknownAlkane_16.	820			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	47	1000			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_16.69 UnknownAlkane_19.	1800			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	19	730			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_21.28	8300			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_21.52	28000			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_21.60	670			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_21.78	630			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_21.87	3700			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_21.95	26000			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_22.04	740			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_22.20	1000			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_22.34	6400			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_22.66	700			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_23.08	720			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Unknown_29.33	1400			ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Phenol	350	J	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	2-Chlorophenol		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	2-Nitrophenol		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	2,4-Dimethylphenol		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	2,4-Dichlorophenol 4-Chloro-3-methylphenol		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS			U	760	ug/Kg	2

U686	339269	B-6	3/21/02	BNAMS	2,4,6-Trichlorophenol		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	2,4-Dinitrophenol		U	3000	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	4-Nitrophenol 4,6-Dinitro-2-methylphenol		U	3000	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Pentachlorophenol N-		U	3000	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Nitrosodimethylaminobis(2-Chloroethyl)ether		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	1,3-Dichlorobenzene		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	1,4-Dichlorobenzene		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	1,2-Dichlorobenzene bis(2-chloroisopropyl)ether		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	N-Nitroso-di-n-propylamine		U	76	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Hexachloroethane		U	76	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Nitrobenzene		U	76	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Isophorone bis(2-chloroethoxy)methane		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	1,2,4-Trichlorobenzene		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Naphthalene Hexachlorobutadiene	37	J	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	e Hexachlorocyclopentadiene		U	150	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	2-Choronaphthalene		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Dimethylphthalate		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Acenaphthylene	160	J	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	2,6-Dinitrotoluene		U	150	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Acenaphthene	24	J	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	2,4-Dinitrotoluene		U	150	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Diethylphthalate 4-Chlorophenyl-phenylether		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Fluorene N-	33	J	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Nitrosodiphenylamin		U	760	ug/Kg	2

U686	339269	B-6	3/21/02	BNAMS	4-Bromophenyl-phenylether		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Hexachlorobenzene		U	76	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Phenanthrene	290	J	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Anthracene	180	J	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Di-n-butylphthalate		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Fluoranthene	680	J	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Pyrene	840		760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Benzidine Butylbenzylphthalat		U	3000	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	e 3,3'- Dichlorobenzidine		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Benzo(a)anthracene	370		76	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Chrysene bis(2-	510	J	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Ethylhexyl)phthalate		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	Di-n-octylphthalate Benzo(b)fluoranthene		U	760	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	e Benzo(k)fluoranthene	630		76	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	310		76	ug/Kg	2	
U686	339269	B-6	3/21/02	BNAMS	Benzo(a)pyrene Indeno(1,2,3-	490		76	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	cd)pyrene Dibenz(a,h)anthracene	180		76	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	ne Benzo(g,h,i)perylene	64	J	76	ug/Kg	2
U686	339269	B-6	3/21/02	BNAMS	200	J	760	ug/Kg	2	
U686	339269	B-6	3/21/02	METALS	Antimony		U	1.2	mg/kg	2
U686	339269	B-6	3/21/02	METALS	Arsenic	148		0.66	mg/kg	2
U686	339269	B-6	3/21/02	METALS	Beryllium	0.45		0.062	mg/kg	2
U686	339269	B-6	3/21/02	METALS	Cadmium		U	0.083	mg/kg	2
U686	339269	B-6	3/21/02	METALS	Chromium	13.9		0.33	mg/kg	2
U686	339269	B-6	3/21/02	METALS	Copper	17.3		0.77	mg/kg	2
U686	339269	B-6	3/21/02	METALS	Lead	33.1		0.48	mg/kg	2
U686	339269	B-6	3/21/02	METALS	Mercury	0.02	B	0.016	mg/kg	1
U686	339269	B-6	3/21/02	METALS	Nickel	17.6		0.33	mg/kg	2
U686	339269	B-6	3/21/02	METALS	Selenium		U	0.87	mg/kg	2

U686	339269	B-6	3/21/02	METALS	Silver		U	0.29	mg/kg	2
U686	339269	B-6	3/21/02	METALS	Thallium		U	0.98	mg/kg	2
U686	339269	B-6	3/21/02	METALS	Zinc	52.1		1.2	mg/kg	2
U686	339269	B-6	3/21/02	PESTGC	Aldrin		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	alpha-BHC		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	beta-BHC		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	delta-BHC gamma-BHC (Lindane)		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Chlordane		U	76	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	4,4'-DDD	15	P*	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	4,4'-DDE	12	P*	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	4,4'-DDT		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Dieldrin		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Endosulfan I		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Endosulfan II		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Endosulfan sulfate		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Endrin		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Endrin aldehyde		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Heptachlor		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Heptachlor epoxide		U	7.6	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Toxaphene		U	76	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Aroclor-1016		U	76	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Aroclor-1221		U	76	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Aroclor-1232		U	76	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Aroclor-1242		U	76	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Aroclor-1248		U	76	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Aroclor-1254	230		76	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Aroclor-1260		U	76	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Aroclor-1262		U	76	ug/kg	1
U686	339269	B-6	3/21/02	PESTGC	Aroclor-1268		U	76	ug/kg	1

U686	339269	B-6	3/21/02	VOAMS	UnknownCycloalkane_16.57 CoelutingUnknowns_16.86 CoelutingUnknowns_17.14 CoelutingUnknowns_17.25	850 2100 1700 860	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Unknown_17.32 CoelutingUnknowns_17.55 UnknownAromatic_17.69 CoelutingUnknowns_18.03	2200 2400 1700 1400	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Unknown_18.11	1500	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Unknown_18.26	1300	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Unknown_18.39 CoelutingUnknowns_18.51	920 1100	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Chloromethane	U 790	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Bromomethane	U 790	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Vinyl Chloride	U 790	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Chloroethane	U 790	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Methylene Chloride Trichlorofluoromethane	U 480	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Dichloroethene	U 790	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	1,1-Dichloroethene	U 320	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	1,1-Dichloroethane trans-1,2-	U 790	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Dichloroethene cis-1,2-	U 790	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Dichloroethene	U 790	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Chloroform	U 790	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	1,2-Dichloroethane 1,1,1-	U 320	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Trichloroethane Carbon	U 790	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Tetrachloride Bromodichloromethane	U 320	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Dichloropropene	U 160	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	1,2-Dichloropropane cis-1,3-	U 160	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Dichloropropene	U 790	ug/Kg	50
U686	339269	B-6	3/21/02	VOAMS	Trichloroethene	U 160	ug/Kg	50

					Dibromochlorometh				
U686	339269	B-6	3/21/02	VOAMS	ane 1,1,2-		U	790	ug/Kg
U686	339269	B-6	3/21/02	VOAMS	Trichloroethane		U	480	ug/Kg
U686	339269	B-6	3/21/02	VOAMS	Benzene trans-1,3-		U	160	ug/Kg
U686	339269	B-6	3/21/02	VOAMS	Dichloropropene 2-Chloroethyl Vinyl		U	790	ug/Kg
U686	339269	B-6	3/21/02	VOAMS	Ether		U	790	ug/Kg
U686	339269	B-6	3/21/02	VOAMS	Bromoform		U	630	ug/Kg
U686	339269	B-6	3/21/02	VOAMS	Tetrachloroethene 1,1,2,2-		U	160	ug/Kg
U686	339269	B-6	3/21/02	VOAMS	Tetrachloroethane		U	160	ug/Kg
U686	339269	B-6	3/21/02	VOAMS	Toluene		U	790	ug/Kg
U686	339269	B-6	3/21/02	VOAMS	Chlorobenzene		U	790	ug/Kg
U686	339269	B-6	3/21/02	VOAMS	Ethylbenzene		U	630	ug/Kg
U686	339269	B-6	3/21/02	VOAMS	Xylene (Total)		U	790	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Chloromethane		U	620	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Bromomethane		U	620	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Vinyl Chloride		U	620	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Chloroethane		U	620	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Methylene Chloride Trichlorofluorometha		U	380	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	ne		U	620	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	1,1-Dichloroethene		U	250	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	1,1-Dichloroethane trans-1,2-		U	620	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Dichloroethene cis-1,2-		U	620	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Dichloroethene		U	620	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Chloroform		U	620	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	1,2-Dichloroethane 1,1,1-		U	250	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Trichloroethane Carbon		U	620	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Tetrachloride Bromodichlorometha		U	250	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	ne		U	120	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	1,2-Dichloropropane cis-1,3-		U	120	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Dichloropropene		U	620	ug/Kg
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Trichloroethene		U	120	ug/Kg

U686	339270	Trip_Bla nk	3/21/02	VOAMS	Dibromochlorometh ane 1,1,2-	U	620	ug/Kg	50
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Trichloroethane	U	380	ug/Kg	50
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Benzene trans-1,3-	U	120	ug/Kg	50
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Dichloropropene	U	620	ug/Kg	50
U686	339270	Trip_Bla nk	3/21/02	VOAMS	2-Chloroethyl Vinyl Ether	U	620	ug/Kg	50
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Bromoform	U	500	ug/Kg	50
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Tetrachloroethene 1,1,2,2-	U	120	ug/Kg	50
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Tetrachloroethane	U	120	ug/Kg	50
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Toluene	U	620	ug/Kg	50
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Chlorobenzene	U	620	ug/Kg	50
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Ethylbenzene	U	500	ug/Kg	50
U686	339270	Trip_Bla nk	3/21/02	VOAMS	Xylene (Total)	U	620	ug/Kg	50



APPENDIX C

NJDEP CERTIFICATIONS

CERTIFICATIONS
N.J.A.C. 7:26C-1.2 et seq.

Any person making a submission to the Department required by this chapter and pursuant to N.J.A.C. 7:26E, shall include the following signature and notarized certification, for each technical submittal. Additionally, the certification shall indicate the case name and address, case number, type of documents submitted, eg., Remedial Action Report, for each technical submittal.

TYPE OF DOCUMENT: Limited Site Investigation Report
CASE NAME: Veterans Memorial Field
CASE ADDRESS: Church Street and Kaine Avenue, South Plainfield, New Jersey
CASE NUMBER: N/A

The following certification shall be signed by:

1. For a corporation, by a principal executive officer of at least the level of vice president;
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively, or;
3. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official.
4. For persons other than 1 through 3 above, by the person with legal responsibility for the site.

"I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement that I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

Printed Name DANIEL J. GAGAGLIO Title Mayor
Signature Daniel J. Gagaglio Date 4/19/02
Notary Signature Vincent G. Buttiglieri Date 4/19/02

**Vincent G. Buttiglieri
Notary Public of New Jersey
My Commission Expires 2006**

DRPSR SUMMARY DATA REVIEW CHECKLIST

Date QA Report Submitted 5/13/02

Document Reviewed 51

Non-aqueous analyses PP + Yo
~~Stainless Steel~~

Aqueous analyses -

Date Reviewed 7-30-02

Samples Reviewed B1 B2 B4 B5 B6

Once the QA review is complete, attach the analytical results summary sheets, the signed Laboratory Deliverables Checklist and Non-Conformance Summary, and a list of the field and/or laboratory sample identification numbers to the DRPSR Data Review Checklist Supplement Form and include these items on the releasable side of the case file. The QA data may then be discarded.

Note: Please be advised that the full QA/QC package has not been retained in the file. For copies, please contact the laboratory or the owner or operator referenced in the file. NJ certified laboratories are required to retain lab deliverables for a minimum of five years.

List RP submitting QA/QC data _____

I. SUMMARY DATA REVIEW REQUIREMENTS:

1. Signed Laboratory Deliverables Checklist and Non-Conformance Summary submitted?

Yes No

2. Problems identified in the Laboratory Deliverables Checklist and Non-Conformance Summary?

Yes No

3. MDL's submitted?

Yes No

4. MDL's less than current cleanup criteria?

Yes No

Comments: B2 + B5 BN MN exceedences

04/22/2002



PMK Group Cranford
65 Jackson Drive
Cranford, NJ 07016

Attention: Mr. Devang Patel

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel: 732-549-3900
Fax: 732-549-3679
www.stl-inc.com

Laboratory Results
Job No. U686 - Veterans Mem. Field

Dear Mr. Patel:

Enclosed are the results you requested for the following sample(s) received at our laboratory on March 21, 2002.

<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
339265	B-1	Priority Pollutants +40
339266	B-2	Priority Pollutants +40
339267	B-4	Priority Pollutants +40
339268	B-5	Priority Pollutants +40
339269	B-6	Priority Pollutants +40
339270	Trip_Blank	PP VOA+15
339271	B2GC	GC Fingerprint

If you have any questions please contact your Project Manager, Dan Glenn, at (732) 549-3900.

Very Truly Yours,

A handwritten signature in black ink, appearing to read "Michael J. Urban".

Michael J. Urban
Laboratory Director



STL Edison is a part of Severn Trent Laboratories, Inc.

Analytical Results Summary	1
General Information	49
Chain of Custody	49
Laboratory Chronicles	51
Methodology Review	62
Data Reporting Qualifiers	66
Non-Conformance Summary	68
GC/MS Forms and Data (Volatiles)	71
Results Summary and Chromatograms	71
Tuning Results Summary	123
Method Blank Results Summary	132
Calibration Summary	141
Surrogate Compound Recovery Summary	154
Spike Recovery Summary	157
Internal Standard Area and RT Summary	159
GC/MS Forms and Data (Semivolatiles)	161
Results Summary and Chromatograms	161
Tuning Results Summary	335
Method Blank Results Summary	360
Calibration Summary	372
Surrogate Compound Recovery Summary	388
Spike Recovery Summary	390
Internal Standard Area and RT Summary	392
VOLUME 2	399
GC Forms and Data	400
Method 8081 (Pesticides) Results Summary	400
QA Summary	406
Analytical Sequence	416
Raw Data	420
Method 8082 (PCBs) Results Summary	555
QA Summary	561
Analytical Sequence	568
Raw Data	570
Metals Forms and Data	655
Analytical Results Summary	655
Blank Results Summary	661
Calibration Summary	666
ICP Interference Check Results Summary	671
Spike Sample Recovery Summary	674
Sample and MS Duplicate Results Summary	678
Laboratory Control Samples Results Summary	682
Serial Dilution Summary	684
Analysis Run Log	686
This is the Last Page of the Document	693

Analytical Results Summary

Client ID: B-1
Site: Veterans Mem. Field

Lab Sample No: 339265
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26631.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.8 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg
Chloromethane	ND	740
Bromomethane	ND	740
Vinyl Chloride	ND	740
Chloroethane	ND	740
Methylene Chloride	ND	440
Trichlorofluoromethane	ND	740
1,1-Dichloroethene	ND	300
1,1-Dichloroethane	ND	740
trans-1,2-Dichloroethene	ND	740
cis-1,2-Dichloroethene	ND	740
Chloroform	ND	740
1,2-Dichloroethane	ND	300
1,1,1-Trichloroethane	ND	740
Carbon Tetrachloride	ND	300
Bromodichloromethane	ND	150
1,2-Dichloropropane	ND	150
cis-1,3-Dichloropropene	ND	740
Trichloroethene	ND	150
Dibromochloromethane	ND	740
1,1,2-Trichloroethane	ND	440
Benzene	ND	150
trans-1,3-Dichloropropene	ND	740
2-Chloroethyl Vinyl Ether	ND	740
Bromoform	ND	590
Tetrachloroethene	ND	150
1,1,2,2-Tetrachloroethane	ND	150
Toluene	ND	740
Chlorobenzene	ND	740
Ethylbenzene	ND	590
Xylene (Total)	ND	740

Client ID: B-1
Site: Veterans Mem. Field

Lab Sample No: 339265
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26631.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.8 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 13.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: B-2
Site: Veterans Mem. Field

Lab Sample No: 339266
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26632.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.8 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 23

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
Chloromethane	ND	750
Bromomethane	ND	750
Vinyl Chloride	ND	750
Chloroethane	ND	750
Methylene Chloride	ND	450
Trichlorofluoromethane	ND	750
1,1-Dichloroethene	ND	300
1,1-Dichloroethane	ND	750
trans-1,2-Dichloroethene	ND	750
cis-1,2-Dichloroethene	ND	750
Chloroform	ND	750
1,2-Dichloroethane	ND	300
1,1,1-Trichloroethane	ND	750
Carbon Tetrachloride	ND	300
Bromodichloromethane	ND	150
1,2-Dichloropropane	ND	150
cis-1,3-Dichloropropene	ND	750
Trichloroethene	ND	150
Dibromochloromethane	ND	750
1,1,2-Trichloroethane	ND	450
Benzene	ND	150
trans-1,3-Dichloropropene	ND	750
2-Chloroethyl Vinyl Ether	ND	750
Bromoform	ND	600
Tetrachloroethene	ND	150
1,1,2,2-Tetrachloroethane	ND	150
Toluene	ND	750
Chlorobenzene	ND	750
Ethylbenzene	ND	600
Xylene (Total)	ND	750

Client ID: B-2
Site: Veterans Mem. Field

Lab Sample No: 339266
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26632.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.8 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 22.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: B-4
Site: Veterans Mem. Field

Lab Sample No: 339267
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26633.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 23

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND	900
Bromomethane	ND	900
Vinyl Chloride	ND	900
Chloroethane	ND	900
Methylene Chloride	ND	540
Trichlorofluoromethane	ND	900
1,1-Dichloroethene	ND	360
1,1-Dichloroethane	ND	900
trans-1,2-Dichloroethene	ND	900
cis-1,2-Dichloroethene	ND	900
Chloroform	ND	900
1,2-Dichloroethane	ND	360
1,1,1-Trichloroethane	ND	900
Carbon Tetrachloride	ND	360
Bromodichloromethane	ND	180
1,2-Dichloropropane	ND	180
cis-1,3-Dichloropropene	ND	900
Trichloroethene	ND	180
Dibromochloromethane	ND	900
1,1,2-Trichloroethane	ND	540
Benzene	ND	180
trans-1,3-Dichloropropene	ND	900
2-Chloroethyl Vinyl Ether	ND	900
Bromoform	ND	720
Tetrachloroethene	ND	180
1,1,2,2-Tetrachloroethane	ND	180
Toluene	ND	900
Chlorobenzene	ND	900
Ethylbenzene	ND	720
Xylene (Total)	ND	900

Client ID: B-4
Site: Veterans Mem. Field

Lab Sample No: 339267
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26633.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 22.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: B-5
Site: Veterans Mem. Field

Lab Sample No: 339268
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26636.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.7 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND	720
Bromomethane	ND	720
Vinyl Chloride	ND	720
Chloroethane	ND	720
Methylene Chloride	ND	430
Trichlorofluoromethane	ND	720
1,1-Dichloroethene	ND	290
1,1-Dichloroethane	ND	720
trans-1,2-Dichloroethene	ND	720
cis-1,2-Dichloroethene	ND	720
Chloroform	ND	720
1,2-Dichloroethane	ND	290
1,1,1-Trichloroethane	ND	720
Carbon Tetrachloride	ND	290
Bromodichloromethane	ND	140
1,2-Dichloropropane	ND	140
cis-1,3-Dichloropropene	ND	720
Trichloroethene	ND	140
Dibromochloromethane	ND	720
1,1,2-Trichloroethane	ND	430
Benzene	ND	140
trans-1,3-Dichloropropene	ND	720
2-Chloroethyl Vinyl Ether	ND	720
Bromoform	ND	570
Tetrachloroethene	ND	140
1,1,2,2-Tetrachloroethane	ND	140
Toluene	ND	720
Chlorobenzene	ND	720
Ethylbenzene	ND	570
Xylene (Total)	ND	720

Client ID: B-5
Site: Veterans Mem. Field

Lab Sample No: 339268
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26636.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.7 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10.0

**VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B**

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. C10H20 Alkene	13.50	5700	
2. Unknown Cycloalkane	13.75	4800	
3. Unknown Cycloalkane	14.67	11000	
4. Unknown Cycloalkane	14.88	18000	
5. Unknown	15.06	5100	
6. Unknown Cycloalkane	15.18	6000	
7. Unknown Cycloalkane/Unknown	15.37	8600	
8. Decahydromethylnaphthalene isomer	15.51	5600	
9. Decahydromethylnaphthalene isomer	15.73	7100	
10. Ethyldimethylbenzene isomer/Unknown	16.03	6100	
11. Decahydromethylnaphthalene isomer	16.26	8200	
12. Unknown Cycloalkane	16.57	11000	
13. Decahydromethylnaphthalene isomer/Un	16.88	9300	
14. Unknown	17.15	12000	
15. Unknown	17.31	5000	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

123500

Client ID: B-6
Site: Veterans Mem. Field

Lab Sample No: 339269
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26634.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
Chloromethane	ND	790
Bromomethane	ND	790
Vinyl Chloride	ND	790
Chloroethane	ND	790
Methylene Chloride	ND	480
Trichlorofluoromethane	ND	790
1,1-Dichloroethene	ND	320
1,1-Dichloroethane	ND	790
trans-1,2-Dichloroethene	ND	790
cis-1,2-Dichloroethene	ND	790
Chloroform	ND	790
1,2-Dichloroethane	ND	320
1,1,1-Trichloroethane	ND	790
Carbon Tetrachloride	ND	320
Bromodichloromethane	ND	160
1,2-Dichloropropane	ND	160
cis-1,3-Dichloropropene	ND	790
Trichloroethene	ND	160
Dibromochloromethane	ND	790
1,1,2-Trichloroethane	ND	480
Benzene	ND	160
trans-1,3-Dichloropropene	ND	790
2-Chloroethyl Vinyl Ether	ND	790
Bromoform	ND	630
Tetrachloroethene	ND	160
1,1,2,2-Tetrachloroethane	ND	160
Toluene	ND	790
Chlorobenzene	ND	790
Ethylbenzene	ND	630
Xylene (Total)	ND	790

Client ID: B-6
Site: Veterans Mem. Field

Lab Sample No: 339269
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26634.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12.5

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Cycloalkane	16.57	850	
2. Coeluting Unknowns	16.86	2100	
3. Coeluting Unknowns	17.14	1700	
4. Coeluting Unknowns	17.25	860	
5. Unknown	17.32	2200	
6. Coeluting Unknowns	17.55	2400	
7. Unknown Aromatic	17.69	1700	
8. Coeluting Unknowns	18.03	1400	
9. Unknown	18.11	1500	
10. Unknown	18.26	1300	
11. Unknown	18.39	920	
12. Coeluting Unknowns	18.51	1100	
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	18030
-------------------------------	-------

Client ID: Trip Blank
Site: Veterans Mem. Field

Lab Sample No: 339270
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26635.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg	<u>Quantitation Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND	620
Bromomethane	ND	620
Vinyl Chloride	ND	620
Chloroethane	ND	620
Methylene Chloride	ND	380
Trichlorofluoromethane	ND	620
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	620
cis-1,2-Dichloroethene	ND	620
Chloroform	ND	620
1,2-Dichloroethane	ND	250
1,1,1-Trichloroethane	ND	620
Carbon Tetrachloride	ND	250
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	620
Trichloroethene	ND	120
Dibromochloromethane	ND	620
1,1,2-Trichloroethane	ND	380
Benzene	ND	120
trans-1,3-Dichloropropene	ND	620
2-Chloroethyl Vinyl Ether	ND	620
Bromoform	ND	500
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	620
Chlorobenzene	ND	620
Ethylbenzene	ND	500
Xylene (Total)	ND	620

Client ID: Trip Blank
Site: Veterans Mem. Field

Lab Sample No: 339270
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Analyzed: 03/22/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j26635.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: B-1
Site: Veterans Mem. Field

Lab Sample No: 339265
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/05/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2302.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
Phenol	ND	390
2-Chlorophenol	ND	390
2-Nitrophenol	ND	390
2,4-Dimethylphenol	ND	390
2,4-Dichlorophenol	ND	390
4-Chloro-3-methylphenol	ND	390
2,4,6-Trichlorophenol	ND	390
2,4-Dinitrophenol	ND	1500
4-Nitrophenol	ND	1500
4,6-Dinitro-2-methylphenol	ND	1500
Pentachlorophenol	ND	1500

Client ID: B-1
Site: Veterans Mem. Field

Lab Sample No: 339265
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/05/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2302.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND	390
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	ND	390
Hexachlorobutadiene	ND	77
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
Dimethylphthalate	ND	390
Acenaphthylene	ND	390
2,6-Dinitrotoluene	ND	77
Acenaphthene	ND	390
2,4-Dinitrotoluene	ND	77
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	ND	390
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phanthrene	ND	390
Anthracene	ND	390
Di-n-butylphthalate	ND	390
Fluoranthene	ND	390
Pyrene	ND	390
Benzidine	ND	1500
Butylbenzylphthalate	ND	390

Client ID: B-1
Site: Veterans Mem. Field

Lab Sample No: 339265
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/05/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2302.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND	770
Benzo(a)anthracene	ND	39
Chrysene	ND	390
bis(2-Ethylhexyl)phthalate	ND	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	ND	39
Benzo(k)fluoranthene	ND	39
Benzo(a)pyrene	ND	39
Indeno(1,2,3-cd)pyrene	ND	39
Dibenz(a,h)anthracene	ND	39
Benzo(g,h,i)perylene	ND	390

Client ID: B-1
Site: Veterans Mem. Field

Lab Sample No: 339265
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/05/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2302.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 13.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: B-2
Site: Veterans Mem. Field

Lab Sample No: 339266
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2322.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
Phenol	ND	2200
2-Chlorophenol	ND	2200
2-Nitrophenol	ND	2200
2,4-Dimethylphenol	ND	2200
2,4-Dichlorophenol	ND	2200
4-Chloro-3-methylphenol	ND	2200
2,4,6-Trichlorophenol	ND	2200
2,4-Dinitrophenol	ND	8600
4-Nitrophenol	ND	8600
4,6-Dinitro-2-methylphenol	ND	8600
Pentachlorophenol	ND	8600

Client ID: B-2
Site: Veterans Mem. Field

Lab Sample No: 339266
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2322.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND	2200
bis(2-Chloroethyl)ether	ND	220
1,3-Dichlorobenzene	ND	2200
1,4-Dichlorobenzene	ND	2200
1,2-Dichlorobenzene	ND	2200
bis(2-chloroisopropyl)ether	ND	2200
N-Nitroso-di-n-propylamine	ND	220
Hexachloroethane	ND	220
Nitrobenzene	ND	220
Isophorone	ND	2200
bis(2-Chloroethoxy)methane	ND	2200
1,2,4-Trichlorobenzene	ND	220
Naphthalene	62 J	2200
Hexachlorobutadiene	ND	430
Hexachlorocyclopentadiene	ND	2200
2-Chloronaphthalene	ND	2200
Dimethylphthalate	ND	2200
Acenaphthylene	62 J	2200
2,6-Dinitrotoluene	ND	430
Acenaphthene	ND	2200
2,4-Dinitrotoluene	ND	430
Diethylphthalate	ND	2200
4-Chlorophenyl-phenylether	ND	2200
Fluorene	ND	2200
N-Nitrosodiphenylamine	ND	2200
4-Bromophenyl-phenylether	ND	2200
Hexachlorobenzene	ND	220
Phenanthrene	270 J	2200
Anthracene	ND	2200
Di-n-butylphthalate	ND	2200
Fluoranthene	410 J	2200
Pyrene	480 J	2200
Benzidine	ND	8600
Butylbenzylphthalate	ND	2200

Client ID: B-2
Site: Veterans Mem. Field

Lab Sample No: 339266
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2322.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND	4300
Benzo(a)anthracene	330	220
Chrysene	260 J	2200
bis(2-Ethylhexyl)phthalate	ND	2200
Di-n-octylphthalate	ND	2200
Benzo(b)fluoranthene	300	220
Benzo(k)fluoranthene	140 J	220
Benzo(a)pyrene	240	220
Indeno(1,2,3-cd)pyrene	180 J	220
Dibenz(a,h)anthracene	76 J	220
Benzo(g,h,i)perylene	210 J	2200

Client ID: B-2
Site: Veterans Mem. Field

Lab Sample No: 339266
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2322.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 22.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	17.71	9700	
2. Unknown	18.08	5500	
3. Unknown	18.11	6200	
4. Nonylphenol isomer	18.52	38000	
5. Nonylphenol isomer	18.96	14000	
6. Unknown	19.63	9900	
7. Unknown	19.82	9000	
8. Unknown	20.00	6500	
9. Unknown	20.24	6400	
10. Unknown	21.08	9400	
11. Unknown	21.41	11000	
12. Unknown	21.72	50000	
13. Unknown	21.98	13000	
14. Unknown	22.08	8300	
15. Unknown	22.28	8800	
16. Unknown	22.69	30000	
17. Unknown	22.88	8700	
18. Unknown	23.07	13000	
19. Unknown	23.30	20000	
20. Unknown	23.38	7900	
21. Unknown	23.59	13000	
22. Unknown	23.79	6600	
23. Unknown	24.07	22000	
24. Nonylphenol isomer	24.83	6300	
25. Unknown	25.90	5300	
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		338500	

Client ID: B-4
Site: Veterans Mem. Field

Lab Sample No: 339267
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2323.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
Phenol	ND	430
2-Chlorophenol	ND	430
2-Nitrophenol	ND	430
2,4-Dimethylphenol	ND	430
2,4-Dichlorophenol	ND	430
4-Chloro-3-methylphenol	ND	430
2,4,6-Trichlorophenol	ND	430
2,4-Dinitrophenol	ND	1700
4-Nitrophenol	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
Pentachlorophenol	12 J	1700

Client ID: B-4
Site: Veterans Mem. Field

Lab Sample No: 339267
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2323.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND	430
bis(2-Chloroethyl)ether	ND	43
1,3-Dichlorobenzene	ND	430
1,4-Dichlorobenzene	ND	430
1,2-Dichlorobenzene	ND	430
bis(2-chloroisopropyl)ether	ND	430
N-Nitroso-di-n-propylamine	ND	43
Hexachloroethane	ND	43
Nitrobenzene	ND	43
Isophorone	ND	430
bis(2-Chloroethoxy)methane	ND	430
1,2,4-Trichlorobenzene	ND	43
Naphthalene	ND	430
Hexachlorobutadiene	ND	86
Hexachlorocyclopentadiene	ND	430
2-Chloronaphthalene	ND	430
Dimethylphthalate	ND	430
Acenaphthylene	18 J	430
2,6-Dinitrotoluene	ND	86
Acenaphthene	ND	430
2,4-Dinitrotoluene	ND	86
Diethylphthalate	ND	430
4-Chlorophenyl-phenylether	ND	430
Fluorene	ND	430
N-Nitrosodiphenylamine	ND	430
4-Bromophenyl-phenylether	ND	430
Hexachlorobenzene	ND	43
Phenanthrene	54 J	430
Anthracene	14 J	430
Di-n-butylphthalate	ND	430
Fluoranthene	100 J	430
Pyrene	110 J	430
Benzidine	ND	1700
Butylbenzylphthalate	ND	430

Client ID: B-4
Site: Veterans Mem. Field

Lab Sample No: 339267
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2323.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND	860
Benzo(a)anthracene	53	43
Chrysene	69 J	430
bis(2-Ethylhexyl)phthalate	ND	430
Di-n-octylphthalate	ND	430
Benzo(b)fluoranthene	82	43
Benzo(k)fluoranthene	29 J	43
Benzo(a)pyrene	49	43
Indeno(1,2,3-cd)pyrene	41 J	43
Dibenz(a,h)anthracene	14 J	43
Benzo(g,h,i)perylene	44 J	430

Client ID: B-4
Site: Veterans Mem. Field

Lab Sample No: 339267
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2323.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 22.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	15.93	540	
2. Unknown	24.19	420	
3. Unknown	25.34	540	
4. Unknown	26.17	560	
5. Unknown Alkane	26.81	400	
6. Unknown Alkane	28.87	550	
7. Unknown	32.01	370	
8. Unknown	38.10	500	
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

3880

Client ID: B-5
Site: Veterans Mem. Field

Lab Sample No: 339268
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2316.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
Phenol	ND	3700
2-Chlorophenol	ND	3700
2-Nitrophenol	ND	3700
2,4-Dimethylphenol	ND	3700
2,4-Dichlorophenol	ND	3700
4-Chloro-3-methylphenol	ND	3700
2,4,6-Trichlorophenol	ND	3700
2,4-Dinitrophenol	ND	15000
4-Nitrophenol	ND	15000
4,6-Dinitro-2-methylphenol	ND	15000
Pentachlorophenol	ND	15000

Client ID: B-5
Site: Veterans Mem. Field

Lab Sample No: 339268
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2316.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND	3700
bis(2-Chloroethyl)ether	ND	370
1,3-Dichlorobenzene	ND	3700
1,4-Dichlorobenzene	ND	3700
1,2-Dichlorobenzene	ND	3700
bis(2-chloroisopropyl)ether	ND	3700
N-Nitroso-di-n-propylamine	ND	370
Hexachloroethane	ND	370
Nitrobenzene	ND	370
Isophorone	ND	3700
bis(2-Chloroethoxy)methane	ND	3700
1,2,4-Trichlorobenzene	ND	370
Naphthalene	2600 J	3700
Hexachlorobutadiene	ND	740
Hexachlorocyclopentadiene	ND	3700
2-Chloronaphthalene	ND	3700
Dimethylphthalate	ND	3700
Acenaphthylene	750 J	3700
2,6-Dinitrotoluene	ND	740
Acenaphthene	510 J	3700
2,4-Dinitrotoluene	ND	740
Diethylphthalate	ND	3700
4-Chlorophenyl-phenylether	ND	3700
Fluorene	790 J	3700
N-Nitrosodiphenylamine	ND	3700
4-Bromophenyl-phenylether	ND	3700
Hexachlorobenzene	ND	370
Phenanthrene	1300 J	3700
Anthracene	440 J	3700
Di-n-butylphthalate	ND	3700
Fluoranthene	1500 J	3700
Pyrene	1600 J	3700
Benzidine	ND	15000
Butylbenzylphthalate	ND	3700

Client ID: B-5
Site: Veterans Mem. Field

Lab Sample No: 339268
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2316.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND	7400
Benzo(a)anthracene	840	370
Chrysene	960 J	3700
bis(2-Ethylhexyl)phthalate	ND	3700
Di-n-octylphthalate	ND	3700
Benzo(b)fluoranthene	1200	370
Benzo(k)fluoranthene	510	370
Benzo(a)pyrene	870	370
Indeno(1,2,3-cd)pyrene	340 J	370
Dibenz(a,h)anthracene	140 J	370
Benzo(g,h,i)perylene	370 J	3700

Client ID: B-5
Site: Veterans Mem. Field

Lab Sample No: 339268
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/08/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2316.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 10.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Alkane	12.59	17000	
2. Unknown	13.01	22000	
3. Unknown	13.67	14000	
4. Unknown Alkane	13.91	21000	
5. Unknown	14.13	20000	
6. Unknown Alkane	14.87	27000	
7. Unknown Alkane	15.03	16000	
8. Unknown	15.10	20000	
9. Unknown Cycloalkane	15.24	22000	
10. Unknown Alkane	15.40	14000	
11. Unknown Alkane	15.48	47000	
12. Unknown	15.60	9700	
13. Unknown	15.66	15000	
14. Unknown Alkane	15.92	13000	
15. Unknown Cycloalkane	16.27	16000	
16. Unknown Alkane	16.47	51000	
17. Unknown	16.69	28000	
18. Unknown Alkane	16.77	15000	
19. Unknown Alkane	17.23	40000	
20. Unknown Alkane	18.09	21000	
21. Unknown Alkane	18.75	24000	
22. Unknown Alkane	19.19	22000	
23. Unknown Alkane	19.96	19000	
24. Unknown	21.48	28000	
25. Unknown	21.90	20000	
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION			561700

Client ID: B-6
Site: Veterans Mem. Field

Lab Sample No: 339269
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/05/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2305.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation Limit</u> <u>Units: ug/kg</u>
Phenol	350 J	760
2-Chlorophenol	ND	760
2-Nitrophenol	ND	760
2,4-Dimethylphenol	ND	760
2,4-Dichlorophenol	ND	760
4-Chloro-3-methylphenol	ND	760
2,4,6-Trichlorophenol	ND	760
2,4-Dinitrophenol	ND	3000
4-Nitrophenol	ND	3000
4,6-Dinitro-2-methylphenol	ND	3000
Pentachlorophenol	ND	3000

Client ID: B-6
Site: Veterans Mem. Field

Lab Sample No: 339269
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/05/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2305.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND	760
bis(2-Chloroethyl)ether	ND	76
1,3-Dichlorobenzene	ND	760
1,4-Dichlorobenzene	ND	760
1,2-Dichlorobenzene	ND	760
bis(2-chloroisopropyl)ether	ND	760
N-Nitroso-di-n-propylamine	ND	76
Hexachloroethane	ND	76
Nitrobenzene	ND	76
Isophorone	ND	760
bis(2-Chloroethoxy)methane	ND	760
1,2,4-Trichlorobenzene	ND	76
Naphthalene	37 J	760
Hexachlorobutadiene	ND	150
Hexachlorocyclopentadiene	ND	760
2-Chloronaphthalene	ND	760
Dimethylphthalate	ND	760
Acenaphthylene	160 J	760
2,6-Dinitrotoluene	ND	150
Acenaphthene	24 J	760
2,4-Dinitrotoluene	ND	150
Diethylphthalate	ND	760
4-Chlorophenyl-phenylether	ND	760
Fluorene	33 J	760
N-Nitrosodiphenylamine	ND	760
4-Bromophenyl-phenylether	ND	760
Hexachlorobenzene	ND	76
Phenanthere	290 J	760
Anthracene	180 J	760
Di-n-butylphthalate	ND	760
Fluoranthene	680 J	760
Pyrene	840	760
Benzidine	ND	3000
Butylbenzylphthalate	ND	760

Client ID: B-6
Site: Veterans Mem. Field

Lab Sample No: 339269
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/05/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2305.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	1500
Benzo(a)anthracene	370	76
Chrysene	510 J	760
bis(2-Ethylhexyl)phthalate	ND	760
Di-n-octylphthalate	ND	760
Benzo(b)fluoranthene	630	76
Benzo(k)fluoranthene	310	76
Benzo(a)pyrene	490	76
Indeno(1,2,3-cd)pyrene	180	76
Dibenz(a,h)anthracene	64 J	76
Benzo(g,h,i)perylene	200 J	760

Client ID: B-6
Site: Veterans Mem. Field

Lab Sample No: 339269
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/25/02
Date Analyzed: 04/05/02
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t2305.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 12.5

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	15.66	820	
2. Unknown Alkane	16.47	1000	
3. Unknown	16.69	1800	
4. Unknown Alkane	19.19	730	
5. Unknown	21.28	8300	
6. Unknown	21.52	28000	
7. Unknown	21.60	670	
8. Unknown	21.78	630	
9. Unknown	21.87	3700	
10. Unknown	21.95	26000	
11. Unknown	22.04	740	
12. Unknown	22.20	1000	
13. Unknown	22.34	6400	
14. Unknown	22.66	700	
15. Unknown	23.08	720	
16. Unknown	29.33	1400	
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

82610

Client ID: B-1
Site: Veterans Mem. Field

Lab Sample ID: 339265
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/23/02
Date Analyzed: 04/02/02
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC4.i
Front File ID: wf046892.d
Rear File ID: wr046892.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 14

ORGANOCHLORINE PESTICIDES - GC/ECD
METHOD 8081A

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u>	<u>Units: ug/kg</u> <u>Column</u>
Aldrin	ND	7.8	R
alpha-BHC	ND	7.8	R
beta-BHC	ND	7.8	R
delta-BHC	ND	7.8	R
gamma-BHC (Lindane)	ND	7.8	R
Chlordane	ND	78	R
4,4'-DDD	ND	7.8	R
4,4'-DDE	ND	7.8	R
4,4'-DDT	ND	7.8	R
Dieldrin	ND	7.8	R
Endosulfan I	ND	7.8	R
Endosulfan II	ND	7.8	R
Endosulfan sulfate	ND	7.8	R
Endrin	ND	7.8	R
Endrin aldehyde	ND	7.8	R
Heptachlor	ND	7.8	R
Heptachlor epoxide	ND	7.8	R
Toxaphene	ND	78	R

Client ID: B-2
Site: Veterans Mem. Field

Lab Sample ID: 339266
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/23/02
Date Analyzed: 03/30/02
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC4.i
Front File ID: wf046842.d
Rear File ID: wr046842.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 23

ORGANOCHLORINE PESTICIDES - GC/ECD
METHOD 8081A

<u>Parameter</u>		<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>	<u>Column</u>
Aldrin		ND	8.7	R
alpha-BHC		ND	8.7	R
beta-BHC		ND	8.7	R
delta-BHC		ND	8.7	R
gamma-BHC (Lindane)		ND	8.7	R
Chlordane		ND	87	R
4,4'-DDD	22	P*	8.7	R
4,4'-DDE		ND	8.7	R
4,4'-DDT		ND	8.7	R
Dieldrin	14	P*	8.7	F
Endosulfan I	13		8.7	R
Endosulfan II		ND	8.7	R
Endosulfan sulfate		ND	8.7	R
Endrin		ND	8.7	R
Endrin aldehyde		ND	8.7	R
Heptachlor		ND	8.7	R
Heptachlor epoxide		ND	8.7	R
Toxaphene		ND	87	R

Client ID: B-4
Site: Veterans Mem. Field

Lab Sample ID: 339267
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/23/02
Date Analyzed: 03/30/02
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC4.i
Front File ID: wf046843.d
Rear File ID: wr046843.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 23

ORGANOCHLORINE PESTICIDES - GC/ECD
METHOD 8081A

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>	<u>Column</u>
Aldrin	ND	8.7	R
alpha-BHC	ND	8.7	R
beta-BHC	ND	8.7	R
delta-BHC	ND	8.7	R
gamma-BHC (Lindane)	ND	8.7	R
Chlordane	ND	87	R
4,4'-DDD	ND	8.7	R
4,4'-DDE	ND	8.7	R
4,4'-DDT	ND	8.7	R
Dieldrin	ND	8.7	R
Endosulfan I	ND	8.7	R
Endosulfan II	ND	8.7	R
Endosulfan sulfate	ND	8.7	R
Endrin	ND	8.7	R
Endrin aldehyde	ND	8.7	R
Heptachlor	ND	8.7	R
Heptachlor epoxide	ND	8.7	R
Toxaphene	ND	87	R

Client ID: B-5
Site: Veterans Mem. Field

Lab Sample ID: 339268
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/23/02
Date Analyzed: 03/30/02
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC4.i
Front File ID: wf046844.d
Rear File ID: wr046844.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 10

ORGANOCHLORINE PESTICIDES - GC/ECD
METHOD 8081A

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u>	<u>Units: ug/kg</u> <u>Column</u>
Aldrin	ND	37	R
alpha-BHC	ND	37	R
beta-BHC	ND	37	R
delta-BHC	ND	37	R
gamma-BHC (Lindane)	ND	37	R
Chlordane	ND	370	R
4,4'-DDD	ND	37	R
4,4'-DDE	ND	37	R
4,4'-DDT	ND	37	R
Dieldrin	ND	37	R
Endosulfan I	ND	37	R
Endosulfan II	ND	37	R
Endosulfan sulfate	ND	37	R
Endrin	ND	37	R
Endrin aldehyde	ND	37	R
Heptachlor	ND	37	R
Heptachlor epoxide	ND	37	R
Toxaphene	ND	370	R

Client ID: B-6
Site: Veterans Mem. Field

Lab Sample ID: 339269
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/23/02
Date Analyzed: 03/30/02
GC Front Column: DB-1701
GC Rear Column: DB-608
Instrument ID: PESTGC4.i
Front File ID: wf046845.d
Rear File ID: wr046845.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 12

ORGANOCHLORINE PESTICIDES - GC/ECD
METHOD 8081A

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>	
	<u>Units:</u>	<u>(Dry Weight)</u>	<u>Limit</u>	<u>Units: ug/kg Column</u>
Aldrin	ND		7.6	R
alpha-BHC	ND		7.6	R
beta-BHC	ND		7.6	R
delta-BHC	ND		7.6	R
gamma-BHC (Lindane)	ND		7.6	R
Chlordane	ND		76	R
4,4'-DDD	15	P*	7.6	R
4,4'-DDE	12	P*	7.6	R
4,4'-DDT	ND		7.6	R
Dieldrin	ND		7.6	R
Endosulfan I	ND		7.6	R
Endosulfan II	ND		7.6	R
Endosulfan sulfate	ND		7.6	R
Endrin	ND		7.6	R
Endrin aldehyde	ND		7.6	R
Heptachlor	ND		7.6	R
Heptachlor epoxide	ND		7.6	R
Toxaphene	ND		76	R

Client ID: B-1
Site: Veterans Mem. Field

Lab Sample ID: 339265
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/23/02
Date Analyzed: 03/26/02
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC9.i
Front File ID: vf001630.d
Rear File ID: vr001630.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 14

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u>	<u>Quantitation</u>	
	Units: ug/kg (Dry Weight)	Limit	Units: ug/kg Column
Aroclor-1016	ND	78	R
Aroclor-1221	ND	78	R
Aroclor-1232	ND	78	R
Aroclor-1242	ND	78	R
Aroclor-1248	ND	78	R
Aroclor-1254	ND	78	R
Aroclor-1260	ND	78	R
Aroclor-1262	ND	78	R
Aroclor-1268	ND	78	R

Client ID: B-2
Site: Veterans Mem. Field

Lab Sample ID: 339266
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/23/02
Date Analyzed: 03/28/02
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC9.i
Front File ID: vf001715.d
Rear File ID: vr001715.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 23

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	170 R
Aroclor-1221	ND	170 R
Aroclor-1232	ND	170 R
Aroclor-1242	ND	170 R
Aroclor-1248	ND	170 R
Aroclor-1254	2200	170 F
Aroclor-1260	ND	170 R
Aroclor-1262	ND	170 R
Aroclor-1268	ND	170 R

Client ID: B-4
Site: Veterans Mem. Field

Lab Sample ID: 339267
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/23/02
Date Analyzed: 03/26/02
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC9.i
Front File ID: vf001632.d
Rear File ID: vr001632.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 23

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg Column</u>
Aroclor-1016	ND	87 R
Aroclor-1221	ND	87 R
Aroclor-1232	ND	87 R
Aroclor-1242	ND	87 R
Aroclor-1248	ND	87 R
Aroclor-1254	170	87 F
Aroclor-1260	ND	87 R
Aroclor-1262	ND	87 R
Aroclor-1268	ND	87 R

Client ID: B-5
Site: Veterans Mem. Field

Lab Sample ID: 339268
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/23/02
Date Analyzed: 03/26/02
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC9.i
Front File ID: vf001633.d
Rear File ID: vr001633.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 10

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	74 R
Aroclor-1221	ND	74 R
Aroclor-1232	ND	74 R
Aroclor-1242	ND	74 R
Aroclor-1248	ND	74 R
Aroclor-1254	ND	74 R
Aroclor-1260	ND	74 R
Aroclor-1262	ND	74 R
Aroclor-1268	ND	74 R

Client ID: B-6
Site: Veterans Mem. Field

Lab Sample ID: 339269
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02
Date Extracted: 03/23/02
Date Analyzed: 03/26/02
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC9.i
Front File ID: vf001634.d
Rear File ID: vr001634.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 12

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg	<u>Column</u>
Aroclor-1016	ND	76	R
Aroclor-1221	ND	76	R
Aroclor-1232	ND	76	R
Aroclor-1242	ND	76	R
Aroclor-1248	ND	76	R
Aroclor-1254	230	76	F
Aroclor-1260	ND	76	R
Aroclor-1262	ND	76	R
Aroclor-1268	ND	76	R

Client ID: B-1
Site: Veterans Mem. Field

Lab Sample No: 339265
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02

Matrix: SOLID
Level: LOW
% Moisture: 13.9

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result</u> <u>Units: mg/kg</u> <u>(Dry Weight)</u>	<u>Instrument Detection Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	ND	1.3	N	P
Arsenic	1.8	0.74		P
Beryllium	0.22	0.070	B	P
Cadmium	1.1	0.093	B	P
Chromium	14.0	0.37		P
Copper	9.6	0.86		P
Lead	8.5	0.53		P
Mercury	ND	0.019		CV
Nickel	6.4	0.37	B	P
Selenium	1.1	0.98	B	P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	35.4	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: B-2
Site: Veterans Mem. Field

Lab Sample No: 339266
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02

Matrix: SOLID
Level: LOW
% Moisture: 22.7

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result</u> <u>Units: mg/kg</u> <u>(Dry Weight)</u>	<u>Instrument Detection Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	ND	1.4	N	P
Arsenic	4.8	0.75		P
Beryllium	4.4	0.071		P
Cadmium	ND	0.094		P
Chromium	15.1	0.38		P
Copper	21.1	0.87		P
Lead	18.9	0.54		P
Mercury	ND	0.022		CV
Nickel	7.8	0.38	B	P
Selenium	ND	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	34.5	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: B-4
Site: Veterans Mem. Field

Lab Sample No: 339267
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02

Matrix: SOLID
Level: LOW
% Moisture: 22.7

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result</u> <u>Units: mg/kg</u> <u>(Dry Weight)</u>	<u>Instrument Detection Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	ND	1.4	N	P
Arsenic	14.4	0.75	P	P
Beryllium	1.00	0.071	P	P
Cadmium	ND	0.094	P	P
Chromium	14.5	0.38	P	P
Copper	25.9	0.87	P	P
Lead	38.2	0.54	P	P
Mercury	0.14	0.018		CV
Nickel	12.2	0.38	P	P
Selenium	1.3	0.99	P	P
Silver	ND	0.33	P	P
Thallium	ND	1.1	P	P
Zinc	50.2	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: B-5
Site: Veterans Mem. Field

Lab Sample No: 339268
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02

Matrix: SOLID
Level: LOW
% Moisture: 10.0

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result</u> <u>Units: mg/kg</u> <u>(Dry Weight)</u>	<u>Instrument Detection Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	ND	1.2	N	P
Arsenic	1.8	0.65		P
Beryllium	3.3	0.061		P
Cadmium	ND	0.081		P
Chromium	13.2	0.32		P
Copper	15.1	0.75		P
Lead	8.6	0.46		P
Mercury	ND	0.019		CV
Nickel	7.1	0.32	B	P
Selenium	ND	0.85		P
Silver	ND	0.28		P
Thallium	ND	0.95		P
Zinc	21.2	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: B-6
Site: Veterans Mem. Field

Lab Sample No: 339269
Lab Job No: U686

Date Sampled: 03/21/02
Date Received: 03/21/02

Matrix: SOLID
Level: LOW
% Moisture: 12.5

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result</u> <u>Units: mg/kg</u> <u>(Dry Weight)</u>	<u>Instrument Detection Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	ND	1.2	N	P
Arsenic	148	0.66		P
Beryllium	0.45	0.062		P
Cadmium	ND	0.083		P
Chromium	13.9	0.33		P
Copper	17.3	0.77		P
Lead	33.1	0.48		P
Mercury	0.02	0.016	B	CV
Nickel	17.6	0.33		P
Selenium	ND	0.87		P
Silver	ND	0.29		P
Thallium	ND	0.98		P
Zinc	52.1	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE / OF /

Name (for report and invoice) <i>D'VANG R. Pelt</i>		Samplers Name (Printed) <i>Saff U. ANC v.v.</i>		Site/Project Identification <i>WEATHERING METACRATIC field</i>	
Company <i>PMK</i>		P.O. #		State (Location of site): NJ: <input checked="" type="checkbox"/> NY: <input type="checkbox"/> Other:	
Address <i>65 Jackson Dr 100</i>		Analysis Turnaround Time Standard <input type="checkbox"/> <i>Specified</i> Rush Charges Authorized For 2 Week <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input type="checkbox"/>		Regulatory Program: <i>None</i>	
City <i>CARLTON</i>		Date <i>3/21/02</i>		Time <i>9:50 AM</i>	
State <i>NJ</i>		Matrix		No. of Cont.	
Phone <i>908-497-8100</i>					
Fax <i>908-497-8943</i>					
Sample Identification	Date	Time	Matrix	No. of Cont.	Sample Numbers
B-1	3/21/02	9:50	Soil	1	339265
B-2		10:58		1	339266
B-4		12:05		1	339267
B-5		13:06		1	339268
B-6		13:47		1	339269
TB	3/21/02	-	Soil	1	339270
B2GC	3/21/02	10:58	Soil	1	339271
					—
					—
					—
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH 6 = Other, 7 = Other Water:					
<u>3 week turnaround for results</u>					
Special Instructions					
Relinquished by <i>J. M. Miller</i>	Company <i>PMK</i>	Date / Time <i>3/21/02 11:07</i>	Received by <i>Wendy J.</i>	Date / Time <i>1</i>	Received by <i>Wendy J.</i>
Relinquished by <i></i>	Company <i></i>	Date / Time <i>1</i>	Received by <i>2)</i>	Date / Time <i>1</i>	Received by <i>Company</i>
Relinquished by <i></i>	Company <i></i>	Date / Time <i>1</i>	Received by <i>3)</i>	Date / Time <i>1</i>	Received by <i>Company</i>
Relinquished by <i></i>	Company <i></i>	Date / Time <i>1</i>	Received by <i>4)</i>	Date / Time <i>1</i>	Received by <i>Company</i>
Water Metals Filtered (Yes/No)? <i>None</i>					
Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).					

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/ neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

ORGANIC DATA REPORTING QUALIFIERS

- ND - The compound was not detected at the indicated concentration.
- J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than zero. The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

- ND - The compound was not detected at the indicated concentration.
- B - Reported value is less than the Method Detection Limit but greater than or equal to the Instrument Detection Limit.
- E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.
- M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.
- N - The spiked sample recovery is not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- * - Duplicate Analysis is not within control limits.
- W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.
- + - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

- P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).
- A - Flame Atomic Absorption Spectroscopy (FAA).
- F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).
- CV - Cold Vapor Atomic Absorption Spectroscopy.

NON-CONFORMANCE SUMMARY

STL Edison Job Number: U686

Volatile Organics Analysis:

All data conforms with method requirements ; or
Analysis was not requested ; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ()

Base/Neutral and/or Acid Extractable Organics:

All data conforms with method requirements ; or
Analysis was not requested ; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ()

PCBs and/or Organochlorine Pesticides:

All data conforms with method requirements ; or
Analysis was not requested ; or
Non-conformance for the specific samples listed is as follows:

(Method 8081) (339269) Recovery of Simazine #2 outside of
QC limits (high) - Column # 1 only. (QD BATCH 8482)
Recovery of Endrin Aldehyde outside of QC limits (high)
in the MS/MS. Blank spike recoveries meet QC limits.

See continuation page if checked ()

Page 1 of 2

Non-conformance Summary, Page 2 of 2
STL Edison Job Number: U686

Metals Analysis:

All data conforms with method requirements ; or
Analysis was not requested ; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ()

Total Petroleum Hydrocarbons:

All data conforms with method requirements ; or
Analysis was not requested ; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ()

General Chemistry/Disposal Parameters:

All data conforms with method requirements ; or
Analysis was not requested ; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ()

Signature of
Laboratory Manager: C. A. Davis

Date: 4.18.82